ONTARIO MINERAL SCORE

Ontario

Ministry of
Northern Development
and Mines

VIDEO
CENSU
SERIES

87-02461/

1986 ONTARIO MINERAL SCORE

A Computer Analysis
of
The Mineral Industry of Ontario
to
31 December, 1986

prepared by
The Mineral Statistics Section

Ontario Ministry of Northern Development and Mines

Mines and Minerals Division

VIDEO CENSUS SERIES No. 6

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'SCORE'

The word SCORE has two meanings in this report:

(1) it means a record of the standing of the Ontario Mineral Industry within the world market; and,

(2) it also means Screen Co-ordinated Resources Evaluation, (S-CO-R-E), the computer program which produced this report.

As to the standing of the Ontario Mineral Industry; few people in the world produce the variety and wealth of minerals as do the men and women of Ontario. Nearly 35,000 employees of the mining and metallurgical industries produce over 30 different minerals. Many of these minerals are further processed in Ontario by an estimated 50,000 additional employees to a value of over $8 billion annually.

As vital as these minerals are to the well being of the people of Canada, over 80% of the minerals are exported to other nations making Ontario one of the leading exporters of minerals in the world.

1986 SCORE

Stone Industry Report:

Due to an increased need for stone statistics generated by the number of new stone projects in Ontario, we have produced a new two year report of the production of the stone industry. This new addition is Report 9X on page 110.

Mineral Production by Mining Division:

In 1985 the Ministry of Northern Development and Mines was formed. For the purpose of administering the mining lands, Ontario is divided by the Ministry into mining divisions.

The volume and value of Ontario Mineral Production in Report 2 are reported in this SCORE Publication by the mining divisions.

The production reports by mining divisions are designed to meet the needs of the resident geologists who are responsible for monitoring activity in their respective divisions.

Ministry of Natural Resources Administrative Regions and Districts:

The statiscal series of volume and value of mineral production by MNR region and districts is no longer available in this publication but is available under separate cover on request to the Mineral Statistics section, ministry of Northern Development and Mines. This series is continued in the interest of promoting cooperation among the managers of multiple uses of Ontario land.

Mineral Production by Municipality:

The series on mineral production by municipality is continued in this publication because most analysts of natural resources in Ontario, from municipalities, to the Federal government, to the public in general can relate to a geographic breakdown based on municipal boundaries.

The SCORE System

(Screen COordinated Resource Evaluation)

is a system of computer programs which combine a Video Screen Generator and a Data Base Management System in order to evaluate the Mineral Industry of Ontario.

Within The SCORE System are programs called the VIDEO CENSUS which allow the staff of the Mineral Statistics Section to enter the data from the Annual Census of Mines, Quarries and Sand Pits into video screen images of the Census Questionnaires.

No card punchers, coding forms or key-to-tape facilities are required. Instead, the analysts of the Mineral Statistics Section who collect the Census data, talk to the mineral companies and analyze the data for reliability are the same staff who enter the data interactively into over 200 different video screen images of the Census Questionnaires. From that point on the data is controlled by the analysts completely electronically from Census Questionnaire Image to this laser printed report. As a result transcription errors are reduced dramatically. The data from many years of Census and data from other reliable sources are merged in the Data Base Management System. The data is then crosschecked, stored, analyzed, and screened to remove the company name and then reported with increased accuracy and with half of the labour required by the previous manual census.

System Development

The SCORE System was developed in 1980 and 1981 by the Mineral Statistics Section. Gary L. Weatherson, Supervisor of The Mineral Statistics section and EDP Coordinator for The Mineral Resources Group designed and managed the development of the computer system and V. kong, A. kroll, B. Thomas, A. Walford and G. Weatherson programmed the system.

In 1986 the following people established the data base and tested the system:
M. Davis, L. Gartley, H. Humphreys, S. Lin, M. Molaie, S. Slawek and H. Sookram

S. Lin produced the 1986 SCORE Report.

MicroSCORE

In 1986, part of the SCORE System was downloaded to microcomputers. The large datasets are still processed by a mainframe computer and some of the reports are then downloaded and modified on microcomputers. As a result we have,for example, been able to compress the graphs and tables at the back of this report and add new features. Because hundreds of Megabyte size data-sets are processed the mainframe is still the essential tool in the SCORE System.
Work continues in 1987 on a system which can process all SCORE databases on a family of mini-micro computers.

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All of the Reports in this series were generated by computer and some programs have generated their own page numbers in top right hand corner.

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Definition of The "Mineral Industry"

There are no definite boundaries to the vast mineral industry and few industries have clearly defined boundaries because they overlap in complex ways. Analysts, for the purpose of reporting, may define boundaries for which no suitably defined statistics are available or may label a set of statistics as relating to the "mineral industry" when in fact it relates to the subset called the "mining industry".

The analysts who produced this VIDEO CENSUS and programmed the computers to define the "mineral industry" a certain way also had to define boundaries and select a source of information which was reliable within those boundaries.

---ONTARIO ECONOMIC SYSTEM---> TO MARKET

---------------------------------------ONTARIO MINERAL INDUSTRY--------------------------------------->

STAGE I	STAGE II	STAGE III		
MINING INDUSTRY	METALLURGICAL EXTRACTION INDUSTRY	MINERALS/METALS-BASED SEMI-FABRICATING INDUSTRY		
THIS STAGE INCLUDES: EXPLORATION DEVELOPMENT MINING BENEFICIATION SCRAP	THIS STAGE INCLUDES: ROASTING CALCINING AGGLOMERATION DIRECT - REDUCTION LEACHING SMELTING REFINING (USED EITHER SINGULARLY OR IN COMBINATION)	THE CONVERSION OF MINERALS OR METALS INTO SHAPES OR FORMS THAT CAN BE READILY USED IN MANUFACTURING OPERATIONS. OUTPUT INCLUDES: RODS BARS ANGLES PLATES SHEETS WIRE CABLE PIPE	 TUBE FORGINGS CASTINGS FITTINGS FRICTION MATERIALS AND OTHER PRODUCTS	 MINERALS AND METALS- BASED MANUFACTURING
THE PRODUCT OF THIS STAGE IS A HIGH-GRADE ORE OR A CONCENTRATE OR A PELLET. IN SOME INSTANCES, A RELATIVELY PURE MINERAL IS OBTAINED.	THE PRODUCT OF THIS STAGE IS A RELATIVELY PURE METAL OR ALLOY			

Includes metals, non-metallics and structural materials.
(The Energy minerals Uranium, Thorium and Yttrium are classified as metals.)

Reliable statistics are only available for Stages I and II, beyond that the boundaries of Stage III become very nebulous. However, Stage III is a very important part of the mineral industry and it is estimated that over 50,000 employees of Stage III add at least $4 billion to the $4 billion value of minerals produced by the 35,000 employees of Stages I and II.

It is,therefore, estimated that the Mineral Industry of Ontario in 1985 alone produced minerals worth over $8 billion.

SUMMARY OF OPERATIONS

ESTIMATE OF 1986 MINERAL PRODUCTION

The total value of minerals mined in Ontario in 1986 amounted to $4,777,263,000 The value of metallics was $3,543,038,000, non-metallics $243,049,000, fuels $81,212,000, structural materials $908,010,000, and other minerals $1,954,000. (Total of other minerals includes arsenious trioxide, serpentine, and yttrium.)

1985 MINERAL PRODUCTION

The total value of minerals mined in Ontario in 1985 amounted to $4,535,693,641. The value of metallics was $3,385,983,633, non-metallics $220,133,666, fuels $97,880,410 and structural materials $831,690,932.

The volumes of metals contributing most to the value of output were: 131,034,865 kilograms of nickel valued at $930,760,468 (20.5% of the total value of mineral production in Ontario); 278,540,249 kilograms of copper valued at $545,234,742 (12.0%); 4,499,427 kilograms of uranium valued at $552,561,058 (12.2%); and 31,599,636 grams of gold valued at $441,492,613 (9.7%). The combined value of these four major metals amounted to $2,470,048,881 and accounted for 54.5% of the total value of mineral production in Ontario.

In 1985, the Ontario Metal Mines (classified to mining sectors on the basis of the volume of component metals contained in mined ores) employed 19,891 people and milled 44,201,060 tonnes of ore containing metals worth $3,385,983,633 (averaging 2,222 tonnes and $170,227 per employee).

Stages I and II of the Mineral Industry employed 33,000 men and women in 1985. In addition, it is estimated that stage III (the minerals and metals-based semi-fabricating industry) employed over 50,000 people and contributed an additional $4 Billion to Ontario. Together, Stages I, II, and III of the Mineral Industry of Ontario regularly employ over 85,000 people and contribute about $8 Billion to the economy.

1985 EXPLORATION ACTIVITY

Because of the importance of mineral exploration to the future of Ontario we established a survey to measure the level of exploration and development activity. A report based on the survey can be found on page 86. The report reveals that over $285,000,000 were spent on exploration and development in 1985.
Staking activity went up significantly in 1986 - up 111.9% over 1985.
Total expenditures on exploration and development increased substantialy from $270,000,000 in 1984 to $285,000,000 in 1985.

AVERAGE PRICE IN CANADA IN 1986 (ESTIMATES)

MINERAL COMMODITY	UNIT	CANADIAN DOLLARS
BISMUTH	KG	$ 9.242
CADMIUM	KG	3.823
CALCIUM	KG	12.009
CEMENT	TONNE	78.629
COAL	TONNE	29.689
COBALT (SHOT/CATHODE)	KG	34.436
COBALT (US SPOT CATH)	KG	22.849
COLUMBIUM	KG	7.963
COPPER	KG	2.042
GOLD	G	16.417
GYPSUM	TONNE	9.437
INDIUM	KG	118.604
IRIDIUM	KG	26802.470
IRON ORE	TONNE	38.000
LEAD	KG	.681
LIME	TONNE	87.310
MAGNESIUM	KG	4.687
MOLYBDENUM (OXIDE)	KG	8.794
NATURAL GAS	KCU.M	88.311
NEPHELINE SYENITE	TONNE	42.089
NICKEL	KG	5.946
OSMIUM	KG	31218.375
PALLADIUM	KG	5833.785
PEAT	TONNE	126.920
PETROLEUM CRUDE	CU.M	114.391
PLATINUM	KG	23190.719
RHODIUM	KG	53362.973
RUTHENIUM	KG	3279.858
SALT	TONNE	21.790
SAND & GRAVEL	TONNE	2.389
SELENIUM	KG	17.141
SILVER	KG	252.769
STONE	TONNE	4.690
SULPHUR	TONNE	88.000
TANTALUM	KG	55.162
TIN	KG	9.008
TUNGSTEN	KG	40.126
URANIUM (U)	KG	84.161
ZINC	KG	1.215

AVERAGE PRICE IN CANADA IN 1985

MINERAL COMMODITY	UNIT	CANADIAN DOLLA
BISMUTH	KG	$ 19.568
CADMIUM	KG	3.638
CALCIUM	KG	10.547
CEMENT	TONNE	75.888
COAL	TONNE	30.530
COBALT(SHOT/CATHODE)	KG	35.221
COBALT(US SPOT CATH)	KG	34.297
COLUMBIUM	KG	9.661
COPPER	KG	1.986
GOLD	G	13.929
GYPSUM	TONNE	8.888
INDIUM	KG	114.135
IRIDIUM	KG	26341.235
IRON ORE	TONNE	37.017
LEAD	KG	.577
LIME	TONNE	71.626
MAGNESIUM	KG	4.306
MOLYBDENUM(OXIDE)	KG	9.775
NATURAL GAS	KCU.M	95.438
NEPHELINE SYENITE	TONNE	39.835
NICKEL	KG	7.348
OSMIUM	KG	40088.059
PALLADIUM	KG	5571.403
PEAT	TONNE	99.416
PETROLEUM CRUDE	CU.M	215.253
PLATINUM	KG	20853.489
RHODIUM	KG	39191.728
RUTHENIUM	LIST PRICE SUSPENDED	
SALT	TONNE	21.354
SAND & GRAVEL	TONNE	2.374
SELENIUM	KG	21.819
SILVER	KG	278.876
STONE	TONNE	4.716
SULPHUR	TONNE	85.016
TANTALUM	KG	79.150
TIN	KG	15.831
TUNGSTEN	KG	39.436
URANIUM(U)	KG	95.980
ZINC	KG	1.254

METHODS USED IN COMPUTING MINERAL PRODUCTION 1985

Cadmium - Cadmium is associated with zinc. It is recovered in the refining of zinc by Cominco Ltd. at Trail, British Columbia, by Hudson Bay Mining and Smelting Co. Ltd. at Flin Flon, Manitoba, by Kidd Creek Mines Ltd. at Timmins, Ontario, and by Canadian Electrolytic Zinc Ltd. at Valleyfield, Quebec.

Production consists of cadmium metal recovered at these smelters and the recoverable content of cadmium in the zinc-lead concentrates exported.

Value is based on settlement value as reported or when settlement value is not available it is based on the average yearly industry price x volume.

Calcium - The only producer is Chromasco, A Division of Timminco Limited. at Haley, Ontario. Output figures represent calcium metal, plus calcium content of alloys.

Cobalt - Production includes:
(a) Cobalt metal produced at Canadian smelters, plus the Cobalt content of salts and oxides made at these smelters. Recoveries from imported concentrates are excluded. The value is the total sales value of these products as reported by the smelters.

(b) Cobalt content of ores and concentrates exported and valued at the average yearly industry price x volume.

Copper - Production includes: (a) Recoverable copper (metal paid for) in ores and concentrates shipped for export.

(b) Copper content of blister copper made at Canadian smelters.

(c) Copper content of nickel-copper matte shipped for export by Canadian smelters. No allowance is made for losses in treatment of the matte, as practically all of the copper is recovered.

Value is based on settlement value as reported or when settlement value is not available it is based on the average yearly industry price x volume.

Gold - Production includes:

(a) Gold in crude bullion obtained direct from lode gold and other mines.

(b) Gold in blister copper made at copper smelters.

(c) Gold in base bullion made by lead smelters.

(d) Gold in all types of ores, concentrates, matte, etc., shipped for export.

(e) Gold in platinum-palladium concentrates shipped for export.

Value is based on settlement value as reported or when settlement value is not available it is based on the average yearly industry price x volume.

Iron ore - Production figures represent product shipments from specific locations at the values shown by the shippers.

Lead - Production includes:

Recoverable lead (metal paid for) in ores and concentrates shipped for export or shipped to either Brunswick Mining and Smelting Corporation, Belledune, N.B; or Cominco Ltd. Trail, B.C.

Value is based on settlement value as reported or when settlement value is not available it is based on the average yearly industry price x volume.

Magnesium - Chromasco, A Division of Timminco Limited. Haley Ontario, is the only Canadian Producer. Output figures represent magnesium metal, plus magnesium content of alloys, valued at the average yearly industry price x volume.

Nickel - Production includes:

(a) Refined and electrolytic nickel produced at Canadian refineries, valued at the average price obtained for such products sold during the year.

(b) Nickel in nickel oxides and in nickel salts sold from Canadian smelters and refineries during the year at the total selling value of these products.

(c) Nickel in matte shipped for export from Canada valued at average yearly industry price x volume.

Platinum group metals - Production includes:

(a) Recoverable metals in smelter and refinery products shipped for export.

Beginning with 1946, the platinum metals production is the assay content of concentrates and refinery residues shipped for export, plus the platinum group metal content of the matte shipped for export. Quantities as reported are valued at average yearly industry price x volume.

Selenium - Selenium is produced as by-product by Inco Limited and Kidd Creek Mines Limited. Value is based on the average yearly industry price x volume.

Tellurium - Tellurium is produced as by-product by Inco limited at Copper Cliff Ontario. Value is based on the average yearly industry price x volume.

Silver - Production includes:

(a) Silver in crude bullion obtained direct from lode gold mines.

(b) Silver in blister copper made at copper smelters.

(c) Silver in base bullion made at lead refineries.

(d) Silver in all types of ores shipped for export.

(e) Silver in nickel-copper matte shipped for export.

(f) Silver in platinum-palladium concentrates shipped for export.

Total silver, as computed from above, is valued at the average yearly industry price x volume.

Uranium - Production consists of the uranium content of precipitates shipped with values as reported by the producers.

Zinc - Production includes:

(a) Refined zinc made by Kidd Creek Mines at Timmins Ltd., Ontario from their own ores.

(b) Recoverable zinc (metal paid for) in concentrates shipped for export or shipped to the following domestic smelters: Canadian Electrolytic Zinc Ltd., Valleyfield, Quebec; Cominco Ltd., Trail, B.C. and Hudson Bay Mining and Smelting, Flin Flon, Manitoba.

Value is based on settlement value as reported or when settlement value is not available it is based on the average yearly industry price x volume.

Barite - Production is the shipments at the selling value, f.o.b. shipping point.

Gemstones - Production represents the tonnage of crude ore and the value is that reported by the operator.

Gypsum - Production is taken as the tonnage of crude gypsum shipped from quarries or mines in the lump, crushed, or fine ground forms. The value is that reported by the operators.

Nepheline Syenite - Production of crude and ground nepheline syenite is the amount of the various grades shipped at the total selling value, f.o.b. works.

Quartz - Production represents the tonnage of crude or pulverized quartz, quartzite and pure silica sand shipped for sale, by the producer. The value is taken as reported by producer.

Salt - Production is taken as the tonnage of various grades of dry salt shipped by primary producers, plus salt content of brine used by producers for industrial (chemical) purposes. The value is that reported by producers.

Talc - Production represents the tonnage of any crude talc shipped, plus any milled or refined talc shipped from mills operated in conjunction with the mines. The value is taken as reported by the mine and mill operators.

Sulphur, in smelter gas - Prior to final metal recovery sulphide concentrates are smelted or roasted and the resultant gases may be used to produce a marketable sulphur dioxide or sulphuric acid. Production is considered as the sulphur content of sulphuric acid made and sulphur dioxide marketed. This sulphur is valued at the average price for sulphur in pyrite concentrates.

There was no production of elemental sulphur in 1985 from major oil refineries.

Natural Gas - Production is taken as all new production less flared field production as measured at the first well head metering point. It also includes gas reproduced from fields less injected gas. Natural gas produced by gas processing plants are valued after deducting quantity returned to formation. In addition, for purposes of valuation, processing shrinkage is deducted from natural gas volume.

Crude oil - Production is taken as all production less that portion returned to formation, valued at well head prices. Production derived from crude bitumen (synthetic crude) is valued at the processing plant gate.

Structural Materials - Canadian mining statistics include the production of structural materials, such as cement, lime, stone, sand and gravel and bricks made from clay. There is very little production in Canada of clay for sale to brick works, or stone to cement works, and since the raw material has no value until turned into a saleable product, it has been the practice, since mineral production statistics have been compiled in Canada, to count the production of structural materials as part of the mineral production of the country.

Cement (Portland,masonry and cement clinker) - Production represents quantities shipped. Value is as reported by the producer.

Clay products - Production represents shipments of brick and other clay products made from domestic clays.

Lime - Production represents the tonnage of hydrated and quicklime shipped (sold by the producer) together with the tonnage of these limes produced and consumed by the producers of chemicals and allied products. The values taken are as reported by the producer. 1980 - 1985 production includes lime produced for captive use.

Sand and Gravel - Production represents shipments at the values reported by operators of sand and gravel pits or dredges.

Stone - Production represents quarry shipments of crude or undressed stone, crushed stone, and dressed stone, if the latter is prepared by the quarry operators at values as reported by the operators. The figures include data for both private and public or municipally-owned properties.

SIC NO.	STANDARD INDUSTRIAL CLASSIFICATION	MINERAL COMMODITY GROUP
*		
510	PLACER GOLD MINES	METALLIC MINERAL
520	GOLD QUARTZ MINES	METALLIC MINERAL
570	URANIUM MINES	METALLIC MINERAL
580	IRON MINES	METALLIC MINERAL
591	COPPER-GOLD-SILVER M	METALLIC MINERAL
592	NICKEL-COPPER MINES	METALLIC MINERAL
593	SILVER-COBALT MINES	METALLIC MINERAL
594	SILVER-LEAD-ZINC M	METALLIC MINERAL
595	MOLYBDENUM MINES	METALLIC MINERAL
599	MISC. METAL MINES	METALLIC MINERAL
640	PETROLEUM & NAT. GAS	FUELS
710	ASBESTOS MINES	NON-METALLIC MINERAL
720	PEAT BOG	NON-METALLIC MINERAL
730	GYPSUM MINES	NON-METALLIC MINERAL
791	TALC & SOAPSTONE M	NON-METALLIC MINERAL
792	FELDSPAR & QUARTZ M	NON-METALLIC MINERAL
793	SALT MINES	NON-METALLIC MINERAL
794	POTASH MINES	NON-METALLIC MINERAL
799	MISC. NON-METAL M	NON-METALLIC MINERAL
830	STONE QUARRIES	STRUCTURAL MATERIAL
831	GRANITE QUARRIES	STRUCTURAL MATERIAL
832	LIMESTONE QUARRIES	STRUCTURAL MATERIAL
833	MARBLE QUARRIES	STRUCTURAL MATERIAL
834	SANDSTONE QUARRIES	STRUCTURAL MATERIAL
835	SHALE QUARRIES	STRUCTURAL MATERIAL
836	SLATE QUARRIES	STRUCTURAL MATERIAL
837	MARL QUARRIES	STRUCTURAL MATERIAL
870	SAND AND GRAVEL PITS	STRUCTURAL MATERIAL
2910	IRON & STEEL MILLS	METALLIC MINERAL
2950	SMELTING & REFINING	METALLIC MINERAL
3510	CLAY PRODUCTS MANUF.	STRUCTURAL MATERIAL
3520	CEMENT MANUFACTURERS	STRUCTURAL MATERIAL
3580	LIME MANUFACTURERS	STRUCTURAL MATERIAL

* BASED ON 1970 STANDARD INDUSTRIAL CLASSIFICATION MANUAL

Addresses of the Major Companies of The Mineral Industry of Ontario

Note: the smaller Sand and Gravel and Stone companies are not listed here because they number in the thousands but a complete list is available on request. Many tables and graphs in this report do include data from the smaller Sand and Gravel and Stone companies, for example, Reports 2, 9, 10, and 11.

This list of addresses does not necessarily identify the Location of the mineral production. Each address is that of the office from which we obtain information. Location in this report goes to the County level. Other reports which identify mineral production to the Township level are available on special request.

The third number in the first line of each address refers to the Standard Industrial Classification (SIC) in which that particular company is included. For example, in the first address Campbell Red Lake Ltd. is a Gold Quartz Mine (SIC 520).

The addresses are grouped by SIC and within that SIC are listed in alphabetical order.

0 5 520 3541
CAMPBELL RED LAKE MINES LTD # 0

(MINING)
PO
BALMERTOWN
ONTARIO POV 1CO

---

0 5 520 3541
DICKENSON-SULLIVAN JOINT VENTURE # 0

(ARTHUR WHITE MINE)
PO
BALMERTOWN
ONTARIO POV 1CO

---

0 5 520 3541
DOME MINES LTD # 0
ATTN J W REID ACCT

PO
SOUTH PORCUPINE
ONTARIO PON 1HO

---

0 5 520 3541
INCO/QUEENSTON JOINT VENTURE # 0
ATTN. MINE MANAGER
(MCBEAN MINE)

DOBIE
ONTARIO POK 1BO

---

0 5 520 33
KERR ADDISON MINES LIMITED # 0
ATTN. CHIEF ACCOUNTANT
(TORONTO HEAD OFFICE)
BOX 91 COMMERCE COURT WEST
TORONTO
ONTARIO M5L 1C7

---

0 5 520 3541
KERR ADDISON MINES LIMITED # 0
MANAGER
(VIRGINIATOWN MINE)
PO
VIRGINIATOWN
ONTARIO POK 1X0

---

0 5 520 3541
KIDD CREEK MINES LTD. # 0
ATTN. MINE MANAGER
(HOYLE POND)
B 2002
TIMMINS
ONTARIO P4N 7K1

---

0 5 520 3541
KIDD CREEK MINES LTD. # 0
ATTN. MR. GEORGE BALLANTYNE
(OWL CREEK MINE)
P.O. BOX 175, COMMERCE COURT WEST
TORONTO
ONTARIO M5L 1E7

---

0 5 520 3541
LAC MINERALS LTD # 0
ATTN. MINE MANAGER
(LAKE SHORE DIVISION)
P.O BOX 670
KIRKLAND LAKE
ONTARIO P2N 3K2

---

0 5 520 3541
LAC MINERALS LTD. # 0

(MACASSA DIVISION)
BOX 550
KIRKLAND LAKE
ONTARIO P2N 3J7

---

0 5 520 3541
LAC MINERALS LTD. # 0
ATTN: MINE MANAGER
(PAGE WILLIAMS MINE)
P O BAG 500
MARATHON
ONTARIO POT 2E0

---

0 5 520 3541
NORANDA INC. # 0
ATTN. MINE MANAGER
(HEMLO PROJECT)
P.O. BOX 40
MARATHON
ONTARIO POT 2E0

---

0 5 520 3541
NORTHERN CONCENTRATORS LTD # 0
ATTN. MR. BEN COWAN
(CROOKED GREEN CREEK MINE)
P.O. BOX 326
THUNDER BAY
ONTARIO P7C 4V9

---

0 5 520 3541
PAMOUR PORCUPINE MINES LTD # 0
ATTN. DINO MARTIN

P.O. BAG 2010
TIMMINS
ONTARIO P4N 7X7

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0 5 520 3541
RENABIE MINES (1981) LTD. # 0
ATTN. OFFICE MANAGER

MISSANABIE
ONTARIO POM 2HO

---

0 5 520 3541
TECK CORPORATION # 0
ATTN. MINE MANAGER
(TECK CORONA M[illegible]NE)
P.O. BOX 818
MARATHON
ONTARIO POT 2E0

---

0 5 520 3541
THE DETOUR LAKE MINE # 0
ATTN. MINE MANAGER

130 WILSON AVENUE
TIMMINS
ONTARIO P4N 2S9

---

0 5 570 3561
DENISON MINES LTD # 0
ATTN CORPORATE MANAGER
(URANIUM MINE)
PO BOX 40 ROYAL BANK PLAZA
TORONTO
ONTARIO M5J 2K2

---

0 5 570 33
ELDORADO RESOURCES LTD # 0
ATTN. MR. JOE BASILE
(HEAD OFFICES MARKETING RES & DEV)
255 ALBERT ST
OTTAWA
ONTARIO K1P 6A9

---

0 5 570 33
RIO ALGOM LTD # 0
ATTN. L. HEUNG
(HEAD OFFICE TORONTO)
120 ADELAIDE ST WEST
TORONTO
ONTARIO M5H 1T1

19

0 5 570 3561
RIO ALGOM LTD # 0

(ELLIOT LAKE PRODUCING MINES)
120 ADELAIDE ST W
TORONTO
ONTARIO M5H 1T1

---

0 5 580 3551
ALGOMA STEEL CORPORATION LIMITED # 0
ATTN MR E A DIAK
(ALGOMA ORE DIVISION)
PO
WAWA
ONTARIO P0S 1K0

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0 5 580 3551
CLIFFS OF CANADA LTD # 0

(THE ADAMS MINE)
BOX 877
KIRKLAND LAKE
ONTARIO P2N 3K7

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0 5 580 3551
CLIFFS OF CANADA LTD # 0

(SHERMAN MINE)
PO BOX 217
TEMAGAMI
ONTARIO P0H 2H0

---

0 5 580 3551
THE GRIFFITH MINE # 0

PO
RED LAKE
ONTARIO P0V 2M0

---

0 5 591 33
HUDSON BAY MINING AND SMELTING # 0
CO LIMITED
(TORONTO HEAD OFFICE)
PO BOX 28 TORONTO DOMINION CENTRE
TORONTO
ONTARIO M5K 1B8

---

0 5 591 3521
KIDD CREEK MINES LTD # 0
ATTN ACCOUNTING MANAGER
(MINE)
PO BOX 175 COMMERCE COURT WEST
TORONTO
ONTARIO M5L 1E7

---

0 5 591 33
KIDD CREEK MINES LTD. # 0
ATTN ACCTG MGR
(HEAD OFFICE TORONTO)
PO BOX 175 COMMERCE COURT WEST
TORONTO
ONTARIO M5L 1E7

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0 5 591 3561
MATTABI MINES LIMITED #

PO BOX 190
IGNACE
ONTARIO P0T 1T0

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5 591 3561
NORANDA MINES LIMITED #

(LYON LAKE DIVISION)
P.O. BOX 190
IGNACE
ONTARIO P0T 1T0

---

5 591 3561
NORANDA MINES LTD #
ATTN. L. DROZDOWSKY
(GECO DIV)
PO BOX 100
MANITOUWADGE
ONTARIO P0T 2C0

---

0 5 591 33
NORANDA MINES LTD # 0
ATTN. K. SMANDACH
(TORONTO HEAD OFFICE)
PO BOX 45 COMMERCE COURT WEST
TORONTO
ONTARIO M5L 1B6

---

0 5 592 3521
FALCONBRIDGE LTD. # 0
ATTN. R.D. BURROW
(ONTARIO MINES)
PO BOX 40 COMMERCE COURT WEST
TORONTO
ONTARIO M5L 1B4

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0 5 592 33
FALCONBRIDGE LTD. # 0
ATTN. MR. J. LEWIS
(TORONTO HEAD OFFICE)
PO BOX 40 COMMERCE COURT WEST
TORONTO
ONTARIO M5L 1B4

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0 5 592 3521
INCO LIMITED # 0
ATTN. COMPTROLLER
(ONTARIO PRODUCING MINES)

COPPER CLIFF
ONTARIO P0M 1N0

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0 5 592 33
INCO LIMITED # 0
ATTN. BUDGET SUPERVISOR
(TORONTO HEAD OFFICE)
BOX 44-1ST CANADIAN PLACE
TORONTO
ONTARIO M5X 1C4

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0 5 593 3561
AGNICO-EAGLE MINES LIMITED # 0

(SILVER DIVISION)
BOX 140
COBALT
ONTARIO P0J 1C0

---

0 5 720 3621
ATKINS & DURBROW LTD # 0

(WAINFLEET TWP)
402-1755 WEST BROADWAY
VANCOUVER
BRITISH COLUMBIA V6J 4S5

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0 5 730 3581
CANADIAN GYPSUM COMPANY LIMITED # 0

(HAGERSVILLE ONT MINE)
BOX 4034 TERMINAL A
TORONTO
ONTARIO M5W 1K8

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0 5 730 3581
DOMTAR INC # 0
(CONSTR MATERIAL GROUP)
(CALEDONIA-MINE REPORT ONLY)
395 DE MAISONNEUVE BLVD W
MONTREAL
QUEBEC H3A 1L6

---

0 5 730 3581
WESTROC INDUSTRIES LIMITED # 0
ATTN CONTROLLER
(DRUMBO MINE-ONT)
2424 LAKESHORE ROAD
MISSISSAUGA
ONTARIO L5J 1K4

---

0 5 791 3631
CANADA TALC INDUSTRIES LTD # 0

POSTAL DRAWER "A"
MARMORA
ONTARIO K0K 2M0

---

0 5 791 3631
STEETLEY TALC LIMITED # 0

BOX 2029 STATION A
HAMILTON
ONTARIO L8N 3R5

---

0 5 792 3601
CARMAN'S FAMILY CORP. # 0
ATTN OFFICE SUPERVISOR

RR #2
LIVELY
ONTARIO P0M 1N0

---

0 5 792 3601
INDUSMIN LIMITED # 0

(BLUE MOUNTAIN MINE)
365 BLOOR ST.E.,SUITE 200
TORONTO
ONTARIO M4W 3LA

---

0 5 792 3601
INDUSMIN LIMITED # 0
ATTN CHIEF ACCOUNTANT
(NEPHELINE SYENITE DIVISION)
365 BLOOR ST E SUITE 200
TORONTO
ONTARIO M4W 3L4

---

0 5 792 3601
INDUSMIN LIMITED # 0

(ONTARIO SILICA DIVISION)
365 BLOOR ST E SUITE 200
TORONTO
ONTARIO M4W 3L4

---

0 5 793 3591
ALLIED CHEMICAL # 0
A DIVISION OF ALLIED CAN.INC.
(AMHERSTBURG PLANT)
201 CITY CENTRE DRIVE
MISSISSAUGA
ONTARIO L5B 3A3

0 5 793 3591
DOMTAR INC # 0
SIFTO SALT DIVISION
(ROCK SALT MINE-GODERICH)
1138 MATHESON BLVD.
MISSISSAUGA
ONTARIO L4W 2V4

0 5 793 3591
DOMTAR INC # 0
SIFTO SALT DIVISION
(BRINE WELL PLANT-GODERICH)
1138 MATHESON BLVD.
MISSISSAUGA
ONTARIO L4W 2V4

0 5 793 3591
DOW CHEMICAL CANADA INC. # 0
ATTENTION: MR. H. DELDERFIELD
(SARNIA BRINE WELLS)
BOX 1012
SARNIA
ONTARIO N7T 7M1

0 5 793 3591
THE CANADIAN SALT CO LTD # 0
SALT OPERATION - WINDSOR
4 ROBERT SPECK PARKWAY
MISSISSAUGA
ONTARIO L4Z 1S1

0 5 793 3591
THE CANADIAN SALT CO. LTD # 0
ATTENTION: CONTROLLER
(OJIBWAY MINE)
4 ROBERT SPECK PARKWAY
MISSISSAUGA
ONTARIO L4Z 1S1

0 5 799 3631
EXTENDER MINERALS OF CANADA LTD # 0
R A HILL
6365 NORTHWEST DR.
MISSISSAUGA
ONTARIO L4V 1J8

0 5 799 3631
HEDMAN RESOURCES LTD # 0
ATTN. MR. J.J. MANGAN, PRES.
BOX 590
TIMMINS
ONTARIO P4N 7E7

0 5 799 3631
ONTARIO GEM COMPANY # 0
ATTN. MR. PETER MARINO
R.R. #13, SITE 15-26
THUNDER BAY
ONTARIO P7B 5E4

0 5 799 3631
PRECIOUS PURPLE GEMSTONES LTD. # 0
P.O. BOX 832
THUNDER BAY
ONTARIO P7C 4X7

0 5 832 3641
ALLIED CHEMICAL # 0
DIV OF ALLIED CANADA INC.
GENERAL ACCOUNTING
201 CITY CENTRE DRIVE
MISSISSAUGA
ONTARIO L5B 3A3

0 5 832 3641
AMHERST QUARRIES (1969) LTD # 0
BOX 28
AMHERSTBURG
ONTARIO N9V 2Z2

0 5 832 3641
ARMBRO AGGREGATES # 0
DIV. OF UNITED AGGREGATES LTD.
(OTTAWA LIMESTONE)
35 VAN KIRK DR., UNIT 20A
BRAMPTON
ONTARIO L7A 1A5

0 5 832 3641
BEACHVILIME LIMITED # 0
(LIME QUARRY)
BOX 190
INGERSOLL
ONTARIO N5C 3K5

0 5 832 3641
BERTRAND & FRERE CONSTRUCTION # 0
CO LTD
(CALCAIRES)
PO
L ORIGNAL
ONTARIO K0B 1K0

0 5 832 3641
CANADA CEMENT LAFARGE LTD. # 0
(FRANCON DIV - QUARRIES ONTARIO)
P.O.BOX 8464
OTTAWA
ONTARIO K1G 3K2

0 5 832 3641
CANADA CEMENT LAFARGE LTD. # 0
(PERMANENT CONCRETE DIV)
PO BOX 190
BROCKVILLE
ONTARIO K6V 5V2

0 5 832 3641
DUFFERIN AGGREGATES # 0
LES AGGREGATES DIV.
620 WILSON AVE.,SUITE 400
DOWNSVIEW
ONTARIO M3K 2A4

0 5 832 3641
DUNNVILLE ROCK PRODUCTS LTD # 0
211 GEORGE ST
DUNNVILLE
ONTARIO N1A 2T5

0 5 832 3641
GORMLEY SAND & GRAVEL LTD # 0

(CORDEN QUARRY)
BOX 39
GORMLEY
ONTARIO L0H 1G0

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0 5 832 3641
GUELPH DOLIME LIMITED # 0

PO BOX 217
INGERSOLL
ONTARIO N5C 3K5

---

0 5 832 3641
LAC MINERALS LIMITED # 0

(MILTON LIMESTONE)
BOX 7
MILTON
ONTARIO L9T 2Y3

---

0 5 832 3641
PORT COLBORNE QUARRIES LTD # 0

PO BOX 275
PORT COLBORNE
ONTARIO L3K 5W1

---

0 5 832 3641
RIDGEMOUNT QUARRIES LTD # 0

PO BOX 100
THOROLD
ONTARIO L2V 3Y8

---

0 5 832 3652
RIVERSIDE GRAVEL CO. LTD. # 0
(ONTARIO OPERATIONS)
ATTN: MR. L. GENDRON
201-68 HIGGINS AVENUE
WINNIPEG
MANITOBA R3B 0A5

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0 5 832 3641
ST LAWRENCE CEMENT CO # 0

(COLBORNE)
2391 LAKESHORE RD W
MISSISSAUGA
ONTARIO L5J 1K1

---

0 5 832 3641
ST MARYS CEMENT COMPANY # 0

(BOWMANVILLE)
PO BOX 68
BOWMANVILLE
ONTARIO L1C 3K8

---

0 5 832 3641
ST MARYS CEMENT LIMITED # 0

(ST MARYS)
PO BOX 1000
ST MARYS
ONTARIO N0M 2V0

---

0 5 832 3641
STANDARD AGGREGATES LIMITED # 0

(BRECHIN)
RODICK RD BOX 210
MARKHAM
ONTARIO L3P 3J7

---

0 5 832 3641
STANDARD AGGREGATES LTD. # 0
(HALDIMAND QUARRIES)

P.O. BOX 210 RODICK ROAD
MARKHAM
ONTARIO L3P 3J7

---

0 5 832 3641
STEETLEY INDUSTRIES LTD # 0
QUEENSTON QUARRIES DIVISION
(NIAGARA FALLS)
BOX 2029 STATION A
HAMILTON
ONTARIO L8N 3R5

---

0 5 832 3641
STEETLEY INDUSTRIES LTD # 0

(CANADA CRUSHED STONE DIV-DUNDAS)
BOX 2029 STATION A
HAMILTON
ONTARIO L8N 3R5

---

0 5 832 3641
TARO PROPERTIES INC # 0

(TARO AGGREGATES DIV)
341 1ST ROAD WEST
HAMILTON
ONTARIO L8J 1W4

---

0 5 832 3641
UNITED AGGREGATES LIMITED # 0
(HALTON HILLS-ACTON)
ATTN: MRS. D. DASH
35 VAN KIRK DR., UNIT 20A
BRAMPTON
ONTARIO L7A 1A5

---

0 5 832 3641
VINELAND QUARRIES & CRUSHED STONE LTD # 0

BOX 100
THOROLD
ONTARIO L2V 3Y8

---

0 5 832 3641
WALKER BROS QUARRIES # 0

BOX 100
THOROLD
ONTARIO L2V 3Y8

---

0 5 870 3652
ADAMS SAND & GRAVEL LTD # 0

RR 3
CHATHAM
ONTARIO N7M 5J3

---

0 5 870 3652
ARMBRO AGGREGATES # 0
DIV. OF UNITED AGGREGATES LTD.
(BOVAIRD & CALEDON)
35 VAN KIRK DR.,UNIT 20A
BRAMPTON
ONTARIO L7A 1A5

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0 5 870 3652
BURNSIDE SAND & GRAVEL LTD # 0
ATTN: D. BURNSIDE

RR 7 MOODIE DR
NEPEAN
ONTARIO K2H 7V2

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0 5 870 3852
CANADA BUILDING MATERIALS # 0
ATTN: MR. O'REILLY
(SUNDERLAND OPERATIONS)
55 INDUSTRIAL STREET
TORONTO
ONTARIO M4G 3W9

---

0 5 870 3852
CLIFF VARCOE LTD # 0

BOX 594
BARRIE
ONTARIO L4M 4V1

---

0 5 870 3852
COX CONSTRUCTION LTD # 0

BOX 427-887 ERAMOSA ROAD
GUELPH
ONTARIO N1K 6K5

---

0 5 870 3852
ETHIER SAND & GRAVEL LTD # 0

2589 IDA ST
SUDBURY
ONTARIO P3E 4N2

---

0 5 870 3852
FORWELL LTD # 0

BOX 1148
KITCHENER
ONTARIO N2G 4G1

---

0 5 870 3852
FRANCESCHINI BROS AGGREGATES LTD # 0
WARREN PAVING & MAT'LS GROUP LTD.

2531 CAWTHRA RD.
MISSISSAUGA
ONTARIO L5A 2W7

---

0 5 870 3852
GASTON H POULIN CONTRACTORS LTD # 0

BOX 2200
HEARST
ONTARIO POL 1NO

---

0 5 870 3852
GORMLEY SAND & GRAVEL LTD # 0

BOX 39
GORMLEY
ONTARIO LOH 100

---

0 5 870 3852
HARNDEN & KING CONST.(ONTARIO) LTD.# 0

PO BOX 519
COBOURG
ONTARIO K9A 4L3

---

0 5 870 3852
HURON GRAVEL LIMITED # 0

R. R. #3
CHATHAM
ONTARIO N7M 5J3

---

0 5 870 3852
J C DUFF LTD # 0

GENERAL DELIVERY
LIMEHOUSE
ONTARIO LOP 1H0

---

0 5 870 3852
JAMES MURRAY CONSTRUCTION LTD # 0

BOX 40
MOOREFIELD
ONTARIO NOG 2K0

---

0 5 870 3852
LEE SAND & GRAVEL LTD # 0

8 GOLFDOWN DRIVE
REXDALE
ONTARIO M9W 2H5

---

0 5 870 3852
MR. CARL DOUGHTY # 0
(PINEWOOD AGGREGATES LTD.)

P.O. BOX 501
PETERBOROUGH
ONTARIO K9J 6Z8

---

0 5 870 3852
NELSON AGGREGATE CO. # 0

P.O. BOX 1070, STATION "B"
BURLINGTON
ONTARIO L7P 3P

---

0 5 870 3852
PRESTON SAND & GRAVEL COMPANY # 0
LIMITED
(CAMBRIDGE PLANT)
1771 EAGLE ST N
CAMBRIDGE-PRESTON
ONTARIO N3H 4R7

---

0 5 870 3852
SOUTH WINDS SAND & GRAVEL # 0
LIMITED

784 WHARNCLIFFE RD S
LONDON
ONTARIO N6J 2N4

---

0 5 870 3852
SPRINGBANK SAND & GRAVEL LTD # 0

7204 WALKERS LINE
MILTON
ONTARIO L9T 2X8

---

0 5 870 3852
STANDARD AGGREGATES # 0

PICKERING PLANT
P.O. BOX 210, RODICK ROAD
MARKHAM
ONTARIO L3P 3J7

---

0 5 870 3852
STANDARD AGGREGATES # 0

(MONO MILLS)
P.O. BOX 210, RODICK ROAD
MARKHAM
ONTARIO L3P 3J7

---

0 5 870 3852
STANDARD AGGREGATES # 0

(GUELPH)
P.O. BOX 210, RODICK ROAD
MARKHAM
ONTARIO L3P 3J7

---

0 5 870 3652
STANDARD AGGREGATES # 0
(LONDON PLANT)

BOX 210, RODICK ROAD,
MARKHAM
ONTARIO L3P 3J7

---

0 5 870 3652
STANDARD AGGREGATES # 0

(STOUFVILLE)
P.O. BOX 210, RODICK ROAD
MARKHAM
ONTARIO L3P 3J7

---

0 5 870 3652
STEBBINS PAVING & CONSTRUCTION LTD # 0

RR # 4
THAMESFORD
ONTARIO NOM 2MO

---

0 5 870 3652
SUPERIOR-CRAWFORD SA. & GRAV. LTD. # 0

PO BOX 70
MAPLE
ONTARIO LOJ 1EO

---

0 5 870 3652
T C G MATERIALS LIMITED # 0
(LONDON PITS)

P.O. BOX 1390
BRANTFORD
ONTARIO N3T 5T6

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0 5 870 3652
T C G MATERIALS LTD # 0

(BRANTFORD TWP PIT)
BOX 1390
BRANTFORD
ONTARIO N3T 5T6

---

0 5 870 3652
T C G MATERIALS LTD # 0

(PRESTON)
BOX 1390
BRANTFORD
ONTARIO N3T 5T6

---

0 5 870 3652
T C G MATERIALS LTD # 0

(FONTHILL PIT)
BOX 1390
BRANTFORD
ONTARIO N3T 5T6

---

0 5 870 3652
TOWLAND HEWITSON CONST. # 0

72 ASHWARREN ROAD
DOWNSVIEW
ONTARIO M3J 1Z5

---

0 5 870 3652
TRT SAND & GRAVEL # 0

PO BOX 250
ORONO
ONTARIO LOB 1MO

---

0 5 870 3652
WM DAY CONSTRUCTION LTD. # 0

PO BOX 220
LEVACK
ONTARIO POM 2CO

---

0 5 2950 951
AGNICO-EAGLE MINES LTD. # 0

(SILVER REFINERY)
P.O. BOX 140
COBALT
ONTARIO POJ 1C0

---

0 5 2950 951
ELDORADO RESOURCES LTD. # 0
ATTN. MR. RON KINSEY
PORT HOPE REFINERY
255 ALBERT STREET
OTTAWA
ONTARIO K1P 6A9

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0 5 2950 951
INCO LIMITED # 0
ATTN. COMPTROLLER
(COPPER REFINERY)

COPPER CLIFF
ONTARIO P0M 1N0

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0 5 2950 951
INCO LIMITED # 0
ATTN. COMPTROLLER
(PORT COLBORNE NICKEL REFINERY)

COPPER CLIFF
ONTARIO P0M 1N0

---

0 5 2950 951
CHROMASCO # 0
A DIV. OF TIMMINCO LTD.

HALEY
ONTARIO K0J 1Y0

---

0 5 2950 951
FALCONBRIDGE LTD. # 0
ATTN. R.D. BURROW
(SUDBURY SMELTER)
BOX 40 COMMERCE COURT WEST
TORONTO
ONTARIO M5L 1B4

---

0 5 2950 951
INCO LIMITED # 0
ATTN. COMPTROLLER
(IRON ORE RECOVERY PLANT)

COPPER CLIFF
ONTARIO P0M 1N0

---

0 5 2950 951
KIDD CREEK MINES LTD. # 0

(COPPER REFINERY)
P.O. BOX 175 COMMERCE COURT WEST
TORONTO
ONTARIO M5L 1E7

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0 5 2950 951
ELDORADO RESOURCES LTD. # 0
ATTN. EDITH LOW
(BLIND RIVER REFINERY)
255 ALBERT STREET
OTTAWA
ONTARIO K1P 6A9

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0 5 2950 951
INCO LIMITED # 0
ATTN. COMPTROLLER
(COPPER CLIFF SMELTER & MATTE PROC)

COPPER CLIFF
ONTARIO P0M 1N0

---

0 5 2950 951
INCO LIMITED # 0
ATTN. COMPTROLLER
(COPPER CLIFF NICKEL REFINERY)

COPPER CLIFF
ONTARIO P0M 1N0

---

0 5 2950 951
KIDD CREEK MINES LTD. # 0

(ZINC PLANT)
PO BOX 175 SUITE 5000
COMMERCE COURT WEST TORONTO
ONTARIO M5L 1E7

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0 0 3510 0
AMOS C. MARTIN LTD. # 0
(WALLENSTEIN)
ATTN. OFFICE MGR.
P.O. BOX 157
PARKHILL
ONTARIO N0B 2S0

---

0 0 3510 0
AMOS C. MARTIN LTD. # 0
(PARKHILL)
ATTN, OFFICE MGR,
BOX 157
PARKHILL
ONTARIO N0M 2K0

---

0 0 3510 0
BLUE MOUNTAIN POTTERY LTD. # 0
(COLLINGWOOD PLANT)

MOUNTAIN ROAD
COLLINGWOOD
ONTARIO L9Y 3Z3

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0 0 3510 0
BRAMPTON BRICK LTD. # 0

ATTN. OFFICE MGR.
514 MAIN ST. N.
BRAMPTON
ONTARIO L6V 1P9

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0 0 3510 0
DOCHART CLAY PRODUCTS # 0

ATTN. J.S. MC KAY
P.O. BOX 250
ARNPRIOR
ONTARIO K7S 3H6

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0 0 3510 0
DRESDEN TILE YARD 1981 LTD. # 0

RR 2
DRESDEN
ONTARIO N0P 1M0

---

0 0 3510 0
HAMILTON BRICK LTD. # 0

215 KENSINGTON AVE. S.
HAMILTON
ONTARIO L8M 3H6

---

0 0 3510 0
JANNOCK LTD. # 0
(STREETSVILLE PLANT)
ATTN. OFFICE MGR.
P.O. BOX 668
STREETSVILLE
ONTARIO L5M 2C3

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0 0 3510 0
JANNOCK LTD. # 0
(CLAY DIV. OTTAWA)
ATTN. ACCOUNT. CLERK
2001 UNIVERSITY ST.
MONTREAL
QUEBEC H3A 2A6

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0 0 3510 0
JANNOCK LTD. # 0
(COOKSVILLE PLANT)
ATTN. ACCOUNTING CLERK
2001 UNIVERSITY STREET
MONTREAL
QUEBEC H3A 2A6

---

0 0 3510 0
JANNOCK LTD. # 0
(BURLINGTON PLANT)
ATTN. OFFICE MGR.
P.O. BOX 668
STREETSVILLE
ONTARIO L5M 2C3

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0 0 3510 0
JANNOCK LTD. # 0
(F.B. MC FARREN PLANT)
ATTN. OFFICE MGR.
P.O. BOX 248
STREETSVILLE
ONTARIO L7R 2B8

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0 0 3510 0
NATIONAL SEWER PIPE LTD # 0
CAN VIT PROD. DIV.
ATTN: ACCOUNTANT
BOX 1800
OAKVILLE
ONTARIO L6J 5C7

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0 0 3510 0
NORWICH BRICK & TILE # 0

ATTN. HENRY KLEEN
RR 3
NORWICH
ONTARIO N0J 1P0

---

0 0 3510 0
THE BESTIARY # 0

ATTN: C LOVELL PRES.
R R 6
SMITH FALLS
ONTARIO K7A 4S7

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0 0 3510 0
THE POTTERY STUDIO # 0

15 BALSAM STREET
COLLINGWOOD
ONTARIO L9Y 4H7

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0 0 3520 0
CANADA CEMENT LAFARGE LTD. # 0
(BATH PLANT)
ATTN. ACC. MANAGER
240 DUNCAN ROAD
DON MILLS
ONTARIO M3B 3H4

---

0 0 3520 0
CANADA CEMENT LAFARGE LTD. # 0
(WOODSTOCK)
ATTN. ACC. MANAGER
240 DUNCAN ROAD
DON MILLS
ONTARIO M3B 3H4

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0 0 3520 0
FEDERAL WHITE CEMENT LTD. # 0

ATTN. ACCOUNTANT
P.O. BOX 548
WOODSTOCK
ONTARIO N4S 7Y5

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0 0 3520 0
LAKE ONTARIO CEMENT LTD. # 0
(PICTON PLANT)

2 CARLTON ST.
TORONTO
ONTARIO M5B 1J3

0 0 3520 0
ST. LAWRENCE CEMENT INC. # 0
(LONDON & FT.WILLIAM)
ATTN. CONTROLLER
2391 LAKESHORE RD. W.
MISSISSAUGA
ONTARIO L5J 1K1

0 0 3520 0
ST. MARY'S CEMENT LTD. # 0
(BOWMANVILLE)
ATTN. ASST. COMPTROLLER
2200 YONGE ST.
TORONTO
ONTARIO M4S 2C6

---

0 0 3520 0
ST. MARY'S CEMENT LTD. # 0
(ST. MARY'S PLANT)
ATTN. ASST. COMPTROLLER
2200 YONGE ST.
TORONTO
ONTARIO M4S 2C6

---

0 0 3580 0
ALLIED CHEMICAL CAN.LTD. # 0
(AMHERSTBURG PLANT)

201 CITY CENTER
MISSISSAUGA
ONTARIO L5B 3A3

0 0 3580 0
BEACHVILIME LIMITED # 0
(GUELPH DOLIME)
ATTN. COST ACCOUNT.
BOX 190
INGERSOLL
ONTARIO N5C 3K5

0 0 3580 0
BEACHVILIME LIMITED # 0
(BEACHVILLE PLANT)
ATTN. COST ACCOUNT.
BOX 190
INGERSOLL
ONTARIO N5C 3K5

---

0 0 3580 0
CHROMASCO LIMITED # 0

ATTN. MARY JANE REEVES

HALEY
ONTARIO K0J 1Y0

0 0 3580 0
REISS LIME CO.OF CAN. LTD. # 0
(SERPENT HARBOUR PL.)

P.O. BOX 688
SHEBOYGAN
WISCONSIN,U.S.A. 053 081

0 0 3580 0
STEETLEY INDUSTRIES LTD. # 0

ATTN. DIV. ACCOUNTANT
BOX 2029,STATION A
HAMILTON
ONTARIO L8N 3L3

---

0 0 3580 0
STELCO INC. # 0
(CHEMICAL LIME WORKS)
ATTN. F.B. BEELER
100 KING ST. W.
HAMILTON
ONTARIO L8N 3T1

0 0 3580 0
THE ALGOMA STEEL CORP. LTD. # 0

ATTN. BILL HALL
QUEEN STREET W.
SAULT STE MARIE
ONTARIO

METRIC CONVERSION FACTORS USED IN THIS REPORT

MINERAL COMMODITY	IMPERIAL UNIT			METRIC UNIT
ANTIMONY	POUNDS	=	.4535923711000	KILOGRAMS
ASBESTOS	SHORT TONS	=	.9071847423000	TONNES
BARITE	SHORT TONS	=	.9071847423000	TONNES
BERYLLIUM	POUNDS	=	.4535923711000	KILOGRAMS
BISMUTH	POUNDS	=	.4535923711000	KILOGRAMS
CADMIUM	POUNDS	=	.4535923711000	KILOGRAMS
CALCIUM	POUNDS	=	.4535923711000	KILOGRAMS
CEMENT	SHORT TONS	=	.9071847423000	TONNES
CHROMITE	SHORT TONS	=	.9071847423000	TONNES
CLAY PRODUCTS	UNITS?	=	.0000000000000	UNITS?
COAL	SHORT TONS	=	.9071847423000	TONNES
COBALT	POUNDS	=	.4535923711000	KILOGRAMS
COLUMBIUM(CB205)	POUNDS	=	.4535923711000	KILOGRAMS
COPPER	POUNDS	=	.4535923711000	KILOGRAMS
FLOURSPAR	SHORT TONS	=	.9071847423000	TONNES
GEMSTONES	SHORT TONS	=	.9071847423000	TONNES
GOLD	TROY OUNCES	=	31.1034767600000	GRAMS
GYPSUM	SHORT TONS	=	.9071847423000	TONNES
IRON ORE	SHORT TONS	=	.9071847423000	TONNES
LEAD	POUNDS	=	.4535923711000	KILOGRAMS
LIME	SHORT TONS	=	.9071847423000	TONNES
MAGNESIUM	POUNDS	=	.4535923711000	KILOGRAMS
MAGNESITIC DOLOMITE	SHORT TONS	=	.9071847423000	TONNES
MICA	POUNDS	=	.4535923711000	KILOGRAMS
MOLYBDENUM	POUNDS	=	.4535923711000	KILOGRAMS
NATURAL GAS	M CU FEET	=	28.3168499400	K CU METRE
NATURAL GAS BY-PROD.	CUBIC FEET	=	.0283168470400	CUBIC METRES
NEPHELINE SYENITE	SHORT TONS	=	.9071847423000	TONNES
NICKEL	POUNDS	=	.4535923711000	KILOGRAMS
PALLADIUM	TROY OUNCES	=	.0311034767600	KILOGRAMS
PEAT	SHORT TONS	=	.9071847423000	TONNES
PETROLEUM	BARRELS	=	.1589872948000	CU METRE
PLATINUM	TROY OUNCES	=	.0311034767600	KILOGRAMS
PLATINUM GROUP	TROY OUNCES	=	.0311034767600	KILOGRAMS
POTASH	SHORT TONS	=	.9071847423000	TONNES
PYRITE PYRRHOTITE	SHORT TONS	=	.9071847423000	TONNES
QUARTZ	SHORT TONS	=	.9071847423000	TONNES
SALT	SHORT TONS	=	.9071847423000	TONNES
SAND & GRAVEL	SHORT TONS	=	.9071847423000	TONNES
SELENIUM	POUNDS	=	.4535923711000	KILOGRAMS
SILVER	TROY OUNCES	=	.0311034767600	KILOGRAMS
SOAPSTONE,TALC	SHORT TONS	=	.9071847423000	TONNES
SODIUM SULPHATE	SHORT TONS	=	.9071847423000	TONNES
STONE	SHORT TONS	=	.9071847423000	TONNES
SULPHUR	SHORT TONS	=	.9071847423000	TONNES
TANTALUM(TA205)	POUNDS	=	.4535923711000	KILOGRAMS
TELLURIUM	POUNDS	=	.4535923711000	KILOGRAMS
THORIUM	POUNDS	=	.4535923711000	KILOGRAMS
TIN	POUNDS	=	.4535923711000	KILOGRAMS
TITANIUM DIOXIDE	SHORT TONS	=	.9071847423000	TONNES
TUNGSTEN(WO3)	POUNDS	=	.4535923711000	KILOGRAMS
URANIUM(U)	POUNDS	=	.4535923711000	KILOGRAMS
YTTRIUM(Y2O3)	POUNDS	=	.4535923711000	KILOGRAMS
ZINC	POUNDS	=	.4535923711000	KILOGRAMS

USED TO CONVERT CURRENT DOLLARS TO 1971 DOLLARS

YEAR	CONVERSION FACTOR	
1924	36.000000	
1925	36.000000	
1926	36.500000	
1927	36.100000	
1928	35.900000	
1929	36.400000	
1930	35.400000	
1931	33.300000	
1932	30.100000	
1933	29.600000	
1934	30.000000	
1935	30.100000	
1936	31.100000	
1937	32.000000	
1938	31.900000	
1939	31.700000	
1940	33.100000	
1941	35.700000	
1942	37.300000	
1943	38.600000	
1944	39.900000	
1945	40.800000	
1946	42.000000	
1947	45.700000	
1948	51.300000	
1949	53.600000	
1950	54.800000	
1951	61.100000	
1952	63.700000	
1953	63.600000	
1954	64.600000	
1955	65.000000	
1956	67.400000	
1957	68.800000	
1958	69.800000	
1959	71.200000	
1960	72.100000	
1961	72.500000	
1962	73.500000	
1963	74.800000	
1964	76.700000	
1965	79.100000	
1966	82.700000	
1967	85.900000	
1968	88.700000	
1969	92.700000	
1970	96.800000	
1971	100.00000	<-----------------
1972	104.90000	
1973	113.70000	
1974	129.40000	
1975	146.50000	
1976	160.40000	
1977	171.70000	
1978	182.70000	
1979	200.70000	
1980	222.70000	
1981	246.30000	
1982	274.20000	
1983	290.50000	
1984	301.20000	
1985	313.50000	
1986	329.20000	

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EMPLOYMENT AND EMPLOYEE PRODUCTIVITY IN ONTARIO

REPORT 1 PAGE 1

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	MINE PIT,QUARRY EMPLOYMENT	MILL PLANT,KILN EMPLOYMENT	ADMIN. AND OTHER EMPLOYMENT	PRODUCTION IN METRIC TONS	PRODUCTION PER EMPLOYEE: TOTAL	PRODUCTION PER EMPLOYEE: MINE PIT,QUARRY	PRODUCTION PER EMPLOYEE: MILL PLANT,KILN	PRODUCTION PER EMPLOYEE: ADMIN. AND OTHER
						ORE MILLED	MILLED PER EMPLOYEE			
GOLD QUARTZ MINES	1968	5905	3488		2417	4209112	712	1206		1741
	1969	5390	3195		2195	3930749	729	1230		1790
SIC 0520	1970	4735	2846		1889	3420402	722	1201		1810
	1971	4173	2469		1704	3063277	734	1240		1797
	1972	3681	2200		1481	2738433	743	1244		1849
	1973	3613	2149		1464	2645599	732	1231		1807
	1974	3715	2108		1607	2637154	709	1251		1641
	1975	3871	2203		1668	2740701	708	1244		1643
	1976	3185	1836		1349	2596320	815	1414		1924
	1977	2803	1644		1159	2542391	907	1546		2193
	1978	2909	1715		1194	2617528	899	1526		2192
	1979	2917	1720		1197	2409553	826	1400		2012
	1980	3150	2148	455	547	2985080	947	1389	6560	5457
	1981	3438	2147	702	589	2905887	845	1353	4139	4933
	1982	3272	2021	654	597	3508740	1072	1736	5365	5877
	1983	3578	2156	767	655	3595103	1004	1667	4687	5488
	1984	3823	2305	927	591	4692770	1227	2035	5062	7940
	1985	3599	2173	891	535	5215809	1449	2400	5853	9749
URANIUM MINES	1968	1826	962		864	2300402	1259	2391		2662
	1969	1871	998		873	2359160	1260	2363		2702
SIC 0570	1970	1775	943		832	2377905	1339	2521		2858
	1971	1689	896		793	2677216	1585	2987		3376
	1972	1652	867		785	2725867	1650	3144		3472
	1973	1616	847		769	2585963	1600	3053		3362
	1974	1643	856		787	2482315	1510	2899		3154
	1975	1929	1024		905	2545532	1319	2485		2812
	1976	2390	1266		1124	2879103	1204	2274		2561
	1977	3326	1630		1696	3878125	1166	2379		2286
	1978	3869	1882		1987	4871014	1258	2588		2451
	1979	4658	2602		2056	5339502	1146	2052		2597
	1980	4848	2987	641	1220	5808368	1198	1944	9061	4760
	1981	5172	3126	590	1456	6225565	1203	1991	10551	4275
	1982	4860	3157	489	1214	6953260	1430	2202	14219	5727

NOTE: FOR 1979 AND PREVIOUS YEARS THE ADMIN AND MILL EMPLOYMENT VALUES ARE COMBINED AND REPORTED IN ADMIN COLUMN.

SL R1.DAT February 2, 1987

EMPLOYMENT AND EMPLOYEE PRODUCTIVITY IN ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	MINE PIT,QUARRY EMPLOYMENT	MILL PLANT,KILN EMPLOYMENT	ADMIN. AND OTHER EMPLOYMENT	PRODUCTION IN METRIC TONS	PRODUCTION PER EMPLOYEE TOTAL	MINE PIT,QUARRY	MILL PLANT,KILN	ADMIN. AND OTHER
						ORE MILLED	MILLED PER EMPLOYEE			
URANIUM MINES	1983	4642	3153	424	1065	6296101	1356	1996	14849	5911
	1984	4937	3431	444	1062	6999752	1417	2040	15765	6591
SIC 0570	1985	4684	3305	400	979	6527233	1393	1974	16318	6667
IRON MINES	1968	3446	714		2732	18179639	5275	25461		6654
	1969	3315	877		2438	19498802	5881	22233		7997
SIC 0580	1970	3363	948		2415	20747484	6169	21885		8591
	1971	3392	921		2471	19485594	5744	21156		7885
	1972	3449	959		2490	22317986	6470	23272		8963
	1973	3660	1050		2610	23837109	6512	22702		9132
	1974	3704	1075		2629	23310888	6293	21684		8866
	1975	3834	1102		2732	21455497	5596	19469		7853
	1976	3869	1117		2752	23411267	6050	20959		8507
	1977	3772	1082		2690	22411355	5941	20712		8331
	1978	3597	1090		2507	24087596	6696	22098		9608
	1979	2952	885		2067	20281642	6870	22917		9812
	1980	2261	989	872	400	17259978	7633	17451	19793	43149
	1981	2168	886	861	421	16856999	7775	19025	19578	40040
	1982	1716	613	731	372	11427368	6659	18641	15632	30718
	1983	1512	565	590	357	10681791	7064	18905	18104	29920
	1984	1592	599	662	331	12662085	7953	21138	19127	38254
	1985	1476	516	645	315	12054987	8167	23362	18689	38269
COPPER-GOLD-SILVER M	1968	2629	1032		1597	7170084	2727	6947		4489
	1969	2704	1040		1664	7320965	2707	7039		4399
SIC 0591	1970	2699	765		1934	7031141	2605	9191		3635
	1971	2594	947		1647	7180831	2768	7582		4359
	1972	2656	985		1671	7423210	2794	7536		4442
	1973	2474	955		1519	7095816	2868	7430		4671
	1974	2491	813		1678	7493131	3008	9216		4465
	1975	2947	855		2092	7131335	2419	8340		3408
	1976	3224	1004		2220	7386389	2291	7356		3327
	1977	3148	1040		2108	7895421	2508	7591		3745
	1978	2963	942		2021	7293407	2461	7742		3608

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EMPLOYMENT AND EMPLOYEE PRODUCTIVITY IN ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	MINE PIT,QUARRY EMPLOYMENT	MILL PLANT,KILN EMPLOYMENT	ADMIN. AND OTHER EMPLOYMENT	PRODUCTION IN METRIC TONS	PRODUCTION PER EMPLOYEE TOTAL	MINE PIT,QUARRY	MILL PLANT,KILN	ADMIN. AND OTHER
						ORE MILLED	MILLED PER EMPLOYEE			
COPPER-GOLD-SILVER M	1979	3351	1127		2224	7986826	2383	7086		3591
	1980	3349	1926	576	847	7629319	2278	3961	13245	9007
SIC 0591	1981	3427	1872	749	806	6964324	2032	3720	9298	8640
	1982	3231	1795	645	791	6520578	2018	3632	10109	8243
	1983	2923	1643	575	705	6325673	2164	3850	11001	8972
	1984	2895	1652	536	707	6586977	2275	3987	12289	9316
	1985	2676	1535	455	686	6443862	2408	4197	14162	9393
NICKEL-COPPER MINES	1968	12936	9644		3292	23513370	1817	2438		7142
	1969	13012	9361		3651	17005212	1306	1816		4657
SIC 0592	1970	14719	9677		5042	24363198	1655	2517		4832
	1971	15606	9999		5607	25296364	1620	2529		4511
	1972	13624	8245		5379	18477331	1356	2241		3435
	1973	13040	8088		4952	19159284	1469	2368		3868
	1974	13667	8328		5339	20514560	1501	2463		3842
	1975	14949	8671		6278	18705749	1251	2157		2979
	1976	14534	8451		6083	18112640	1246	2143		2977
	1977	13872	8026		5846	17422181	1255	2170		2980
	1978	11855	6907		4948	9153593	772	1325		1849
	1979	11514	5946		5568	7839314	680	1318		1407
	1980	11704	8952	885	1867	13556824	1158	1514	15318	7261
	1981	11384	8559	856	1969	11944050	1049	1395	13953	6066
	1982	10558	7937	773	1848	5615356	531	707	7264	3038
	1983	8515	6333	700	1482	9020014	1059	1424	12885	6086
	1984	8202	6061	691	1450	13671132	1666	2255	19784	9428
	1985	7338	5310	614	1414	13905427	1894	2618	22647	9834
SILVER-COBALT MINES	1968	581	311		270	228029	392	733		844
	1969	518	277		241	402014	776	1451		1668
SIC 0593	1970	433	258		175	206235	476	799		1178
	1971	274	159		115	145628	531	915		1266
	1972	228	121		107	126569	555	1046		1182
	1973	149	70		79	112104	752	1601		1419
	1974	197	99		98	108512	550	1096		1107

NOTE: FOR 1979 AND PREVIOUS YEARS THE ADMIN AND MILL EMPLOYMENT VALUES ARE COMBINED AND REPORTED IN ADMIN COLUMN.

EMPLOYMENT AND EMPLOYEE PRODUCTIVITY IN ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	MINE PIT,QUARRY EMPLOYMENT	MILL PLANT,KILN EMPLOYMENT	ADMIN. AND OTHER EMPLOYMENT	PRODUCTION IN METRIC TONS	PRODUCTION PER EMPLOYEE: TOTAL	PRODUCTION PER EMPLOYEE: MINE PIT,QUARRY	PRODUCTION PER EMPLOYEE: MILL PLANT,KILN	PRODUCTION PER EMPLOYEE: ADMIN. AND OTHER
						ORE MILLED	MILLED PER EMPLOYEE			
SILVER-COBALT MINES	1975	176	81		95	69618	395	859		732
	1976	178	74		104	107597	604	1454		1034
SIC 0593	1977	192	87		105	164714	857	1893		1568
	1978	181	84		97	188019	1038	2238		1938
	1979	201	96		105	156109	776	1626		1486
	1980	237	144	36	57	155027	654	1076	4306	2719
	1981	219	156	26	37	122195	557	783	4699	3302
	1982	195	132	24	39	113726	583	861	4738	2916
	1983	184	132	15	37	87876	477	665	5858	2375
	1984	173	125	14	34	52299	302	418	3735	1538
	1985	118	79	14	25	53742	455	680	3838	2149
						MINED	MINED PER EMPLOYEE			
NON-METALLIC MINES	1968	838	389		449	5081854	6064	13063		11318
	1969	825	365		460	5323294	6452	14584		11572
SIC 0700	1970	976	431		545	6243398	6396	14485		11455
	1971	995	434		561	6274767	6306	14457		11184
	1972	958	397		561	6075029	6341	15302		10828
	1973	925	382		543	6022187	6510	15764		11090
	1974	1042	419		623	5568880	5344	13290		8938
	1975	1039	342		697	4675363	4499	13670		6707
	1976	1166	419		747	6464119	5543	15427		8653
	1977	975	417		558	5891416	6042	14128		10558
	1978	961	412		549	6426272	6687	15597		11705
	1979	998	434		564	6601323	6614	15210		11704

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EMPLOYMENT AND EMPLOYEE PRODUCTIVITY IN ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	MINE PIT,QUARRY EMPLOYMENT	MILL PLANT,KILN EMPLOYMENT	ADMIN. AND OTHER EMPLOYMENT	PRODUCTION IN METRIC TONS	PRODUCTION PER EMPLOYEE TOTAL	MINE PIT,QUARRY	MILL PLANT,KILN	ADMIN. AND OTHER
						PEAT HARVESTED	HARVESTED PER EMPLOYEE			
PEAT BOG	1979									
	1980	42	12	24	6	6236	148	519	259	1039
SIC 0720	1981	35	8	23	4	6648	189	831	289	1662
	1982	33	8	21	4	4494	136	561	214	1123
	1983	34	7	23	4	5717	168	816	248	1429
	1984	35	7	24	4	5473	156	781	228	1368
	1985	30	7	19	4	5266	175	752	277	1316
						MINED	MINED PER EMPLOYEE			
GYPSUM MINES	1979									
	1980	165	123	20	22	780527	4730	6345	39026	35478
SIC 0730	1981	161	120	20	21	685092	4255	5709	34254	32623
	1982	126	88	20	18	469753	3728	5338	23487	26097
	1983	152	117	17	18	875083	5757	7479	51475	48615
	1984	184	146	19	19	1198760	6515	8210	63092	63092
	1985	184	138	20	26	1100157	5979	7972	55007	42313
TALC & SOAPSTONE M	1979									
	1980	59	13	37	9	66160	1121	5089	1788	7351
SIC 0791	1981	59	11	35	13	80149	1358	7286	2289	6165
	1982	70	12	41	17	85764	1225	7147	2091	5044
	1983	78	12	46	20	83045	1064	6920	1805	4152
	1984	91	12	55	24	114905	1262	9575	2089	4787
	1985	119	29	69	21	101807	855	3510	1475	4847
FELDSPAR & QUARTZ M	1979									
	1980	331	56	217	58	1234151	3728	22038	5687	21278
SIC 0792	1981	330	57	216	57	1307797	3963	22943	6054	22943
	1982	290	47	188	55	1058092	3648	22512	5628	19238

NOTE: FOR 1979 AND PREVIOUS YEARS THE ADMIN AND MILL EMPLOYMENT VALUES ARE COMBINED AND REPORTED IN ADMIN COLUMN.

SL R1.DAT February 2, 1987

EMPLOYMENT AND EMPLOYEE PRODUCTIVITY IN ONTARIO

STANDARD INDUSTRIAL CLASS		YEAR	TOTAL EMPLOYMENT	MINE PIT,QUARRY EMPLOYMENT	MILL PLANT,KILN EMPLOYMENT	ADMIN. AND OTHER EMPLOYMENT	PRODUCTION IN METRIC TONS	PRODUCTION PER EMPLOYEE TOTAL	PRODUCTION PER EMPLOYEE MINE PIT,QUARRY	PRODUCTION PER EMPLOYEE MILL PLANT,KILN	PRODUCTION PER EMPLOYEE ADMIN. AND OTHER
							MINED	MINED PER EMPLOYEE			
FELDSPAR & QUARTZ M		1983	288	50	183	55	1174684	4078	23493	6419	21357
		1984	263	48	162	53	1216504	4625	25343	7509	22952
SIC 0792		1985	269	48	178	43	960527	3570	20010	5396	22337
SALT MINES		1979									
	*	1980	486	411	8	67	4414451	9083	10740	551806	65887
SIC 0793	*	1981	494	419	8	67	3663061	7415	8742	457882	54672
	*	1982	528	438	8	82	4347147	8233	9924	543393	53013
	*	1983	558	466	8	84	4335437	7769	9303	541929	51612
	*	1984	593	499	8	86	4990772	8416	10001	623846	58032
	*	1985	515	436	8	71	4660170	9048	10688	582521	65636
MISC NON-METAL M		1979									
		1980	19	4	8	7	7893	415	1973	986	1127
SIC 0799		1981	35	10	19	6	13914	397	1391	732	2319
		1982	31	10	16	5	9930	320	993	620	1986
		1983	28	11	12	5	8970	320	815	747	1794
		1984	29	13	10	6	13626	469	1048	1362	2271
		1985	32	14	12	6	17890	559	1277	1490	2981
							STONE QUARRIED	QUARRIED PER EMPLOYEE			
STONE QUARRIES		1968	2011	2011			31137952	15483	15483		
		1969	2101	2101			30069036	14311	14311		
SIC 0830		1970	2099	2099			30626989	14591	14591		
		1971	2295	2295			31586127	13763	13763		
		1972	1892	1892			34470979	18219	18219		
		1973	1596	1596			39132918	24519	24519		
		1974	1650	1650			38727703	23471	23471		
		1975	1722	1722			34172039	19844	19844		

NOTE: FOR 1979 AND PREVIOUS YEARS THE ADMIN AND MILL EMPLOYMENT VALUES ARE COMBINED AND REPORTED IN ADMIN COLUMN.
SL R1.DAT * EXCLUDES ALL 4 BRINING WELLS FEBRUARY 2, 1987

EMPLOYMENT AND EMPLOYEE PRODUCTIVITY IN ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	MINE PIT,QUARRY EMPLOYMENT	MILL PLANT,KILN EMPLOYMENT	ADMIN. AND OTHER EMPLOYMENT	PRODUCTION IN METRIC TONS	PRODUCTION PER EMPLOYEE TOTAL	PRODUCTION PER EMPLOYEE MINE PIT,QUARRY	PRODUCTION PER EMPLOYEE MILL PLANT,KILN	PRODUCTION PER EMPLOYEE ADMIN. AND OTHER
						STONE QUARRIED	QUARRIED PER EMPLOYEE			
STONE QUARRIES	1976	1898	1898			34986415	18433	18433		
	1977	1614	1614			35975549	22289	22289		
SIC 0830	1978	1500	1500			38139194	25426	25426		
	1979	1450	1450			39830992	27469	27469		
GRANITE QUARRIES	1979									
	1980									
SIC 0831	1981	120	12	72	36	250748	2089	20895	3482	6965
	1982	118	12	71	35	291924	2473	24327	4111	8340
	1983	122	12	81	29	319576	2619	26631	3945	11019
	1984	114	12	74	28	324277	2844	27023	4382	11581
LIMESTONE QUARRIES	1979									
	1980	889	537	75	277	22434650	25235	41777	299128	80991
SIC 0832	1981	1049	599	134	316	24823124	23663	41440	185247	78554
	1982	817	530	30	257	19866150	24315	37483	662205	77300
	1983	1071	536	9	526	22601469	21103	42166	2511274	42968
	1984	841	584	8	249	28027557	33326	47992	3503444	112560
	1985	1362	570	529	263	29066869	21341	50994	54946	110520
MARBLE QUARRIES	1978									
	1979									
SIC 0833	1980									
SANDSTONE QUARRIES	1978									
	1979									
SIC 0834	1980									
SHALE QUARRIES	1978									
	1979									
SIC 0835	1980									

NOTE: FOR 1979 AND PREVIOUS YEARS THE ADMIN AND MILL EMPLOYMENT VALUES ARE COMBINED AND REPORTED IN ADMIN COLUMN.

EMPLOYMENT AND EMPLOYEE PRODUCTIVITY IN ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	MINE PIT,QUARRY EMPLOYMENT	MILL PLANT,KILN EMPLOYMENT	ADMIN. AND OTHER EMPLOYMENT	PRODUCTION IN METRIC TONS	PRODUCTION PER EMPLOYEE TOTAL	PRODUCTION PER EMPLOYEE MINE PIT,QUARRY	PRODUCTION PER EMPLOYEE MILL PLANT,KILN	PRODUCTION PER EMPLOYEE ADMIN. AND OTHER
						SAND +GRAVEL EXTRACTED	EXTRACTED PER EMPLOYEE			
SAND AND GRAVEL PITS	1972	2017	2017			69290770	34353	34353		
	1973	1895	1895			73089730	38569	38569		
SIC 0870	1974	1822	1822			72560869	39824	39824		
	1975	2363	2363			69705434	29498	29498		
	1976	2626	2626			68802045	26200	26200		
	1977	1064	1064			75400390	70865	70865		
	1978	2198	2198			87845756	39966	39966		
	1979	2000	2000			90515630	45257	45257		
	1980	1090	444	14	632	22426950	20575	50511	1601925	35485
	1981	1159	529	22	608	28950723	24979	54727	1315941	47616
	1982	916	376	5	535	19313010	21084	51364	3862602	36099
	1983	898	410	18	470	20335298	22645	49598	1129738	43266
	1984	728	421	19	288	23329684	32046	55414	1227878	81005
	1985	1177	527	36	614	27268853	23168	51743	757468	44411

NOTE: 1979 & PREVIOUS YEARS SAND&GRAVEL & STONE EMPLOYMENT STATS ARE ESTIMATES OF S&G & S INDUSTRIES AND ARE NOT RELIABLE 1980 AND LATER STATS INCLUDE ONLY LARG OPERATIONS REPORTING EMPLOYMENT. THE LARGE OPERATIONS IN 1985 PRODUCED 47% OF S&G AND 79% OF LIMESTONE. OTHER REPORTS IN THIS SERIES, FOR EXAMPLE R11, INCLUDE ALL KNOWN OPERATIONS REGARDLESS OF SIZE.

NOTE: FOR 1979 AND PREVIOUS YEARS THE ADMIN AND MILL EMPLOYMENT VALUES ARE COMBINED AND REPORTED IN ADMIN COLUMN.

EMPLOYMENT AND EMPLOYEE PRODUCTIVITY IN ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	MINE PIT, QUARRY EMPLOYMENT	MILL PLANT, KILN EMPLOYMENT	ADMIN. AND OTHER EMPLOYMENT	PRODUCTION IN METRIC TONS	PRODUCTION PER EMPLOYEE TOTAL	PRODUCTION PER EMPLOYEE MINE PIT, QUARRY	PRODUCTION PER EMPLOYEE MILL PLANT, KILN	PRODUCTION PER EMPLOYEE ADMIN. AND OTHER
GRAND TOTAL FOR ALL SIC'S	* 1968	30172	18551		11621	91820442				
	* 1969	29736	18214		11522	85909232				
	* 1970	30799	17967		12832	95016752				
	* 1971	31018	18120		12898	95709804				
	1972	30157	17683		12474	163646174				
	1973	28968	17032		11936	173680710				
	1974	29931	17170		12761	173404012				
	1975	32830	18363		14467	161201268				
	1976	33070	18691		14379	164745895				
	1977	30766	16604		14162	171581542				
	1978	30033	16730		13303	180622379				
	1979	30041	16260		13781	180960891				
	1980	28630	18746	3868	6016	98765614				
	1981	29250	18511	4333	6406	104800276				
	1982	26761	17176	3716	5869	79585292				
	1983	24583	15603	3468	5512	85745837				
	1984	24500	15915	3653	4932	103886573				
	1985	** 23579	14687	3890	5002	107382599				

NOTE: FOR 1979 AND PREVIOUS YEARS THE ADMIN AND MILL EMPLOYMENT VALUES ARE COMBINED AND REPORTED IN ADMIN COLUMN.
* EXCLUDES ENTIRE SAND & GRAVEL INDUSTRY
** 25579 INCLUDING 2000 ESTIMATE OF SMALL S & G AND STONE INDUSTRIES

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VOLUME AND VALUE OF PRODUCTION
BY
MUNICIPALITIES

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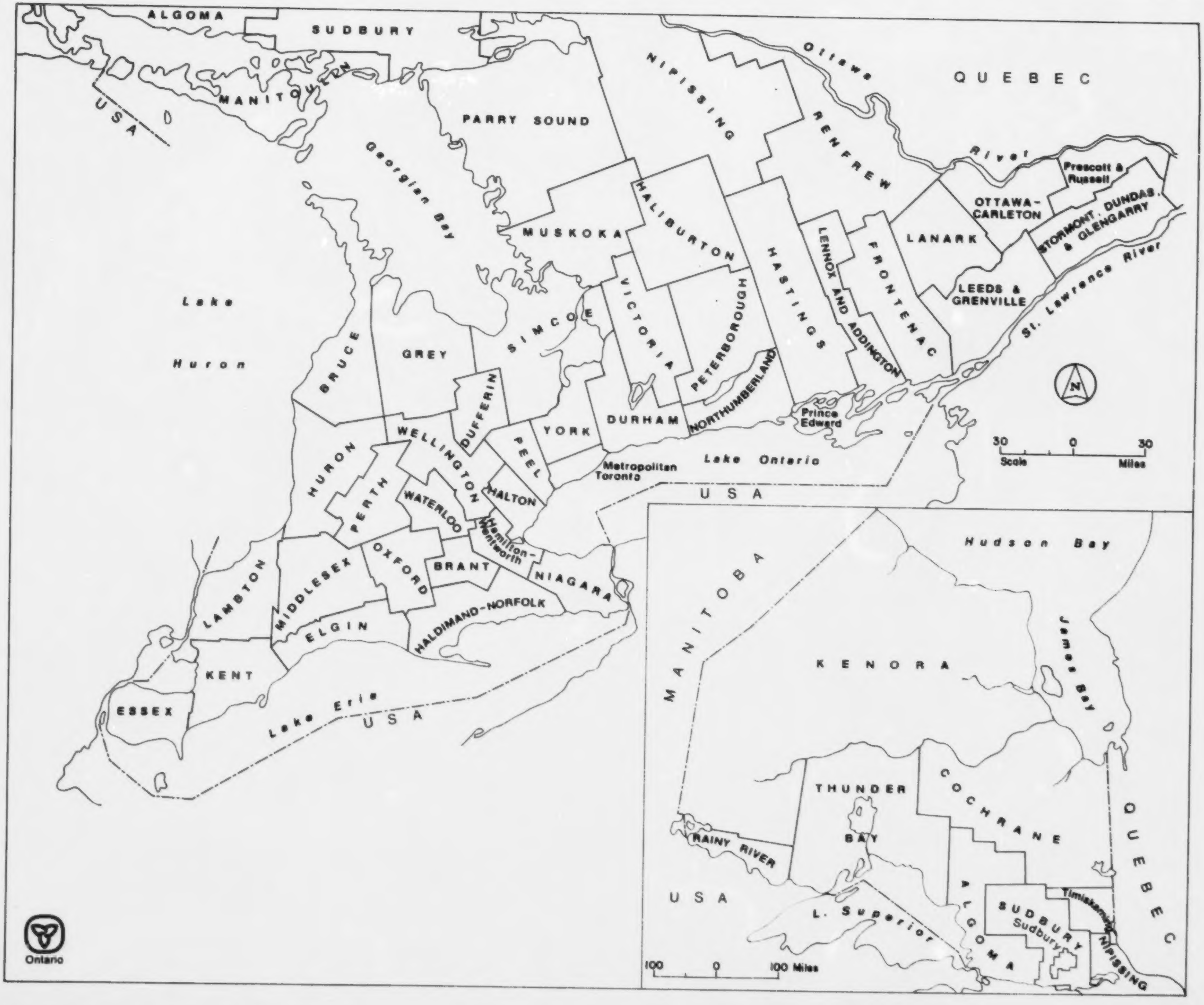
ALGOMA
SUDBURY
MANITOULIN
USA
PARRY SOUND
NIPISSING
Ottawa River
QUEBEC
RENFREW
Prescott & Russell
OTTAWA-CARLETON
STORMONT, DUNDAS, & GLENGARRY
Georgian Bay
MUSKOKA
HALIBURTON
HASTINGS
LENNOX AND ADDINGTON
FRONTENAC
LANARK
LEEDS & GRENVILLE
St. Lawrence River
Lake Huron
BRUCE
GREY
SIMCOE
VICTORIA
PETERBOROUGH
NORTHUMBERLAND
Prince Edward
DUFFERIN
YORK
DURHAM
PEEL
WELLINGTON
HURON
PERTH
WATERLOO
HALTON
Metropolitan Toronto
Lake Ontario
USA
Hamilton-Wentworth
OXFORD
BRANT
MIDDLESEX
LAMBTON
NIAGARA
HALDIMAND-NORFOLK
ELGIN
KENT
ESSEX
Lake Erie
USA
30 0 30
Scale
Miles
Hudson Bay
MANITOBA
KENORA
James Bay
THUNDER BAY
COCHRANE
QUEBEC
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VOLUME AND VALUE OF ONTARIO MINERAL COMMODITY PRODUCTION IN 1985 REPORT 2 PAGE 1

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF BRANT				
	NATURAL GAS	CU.M	455,460	56,477
	SAND & GRAVEL	TONNE	1,695,424	3,781,308
				3,837,785
COUNTY OF BRUCE				
	SAND & GRAVEL	TONNE	1,368,911	2,475,603
	STONE	TONNE	30,580	1,460,708
				3,936,311
COUNTY OF DUFFERIN				
	SAND & GRAVEL	TONNE	922,726	2,087,880
				2,087,880
COUNTY OF ELGIN				
	CLAY IN FLUE LINING	M	348,029	2,995,484
	CLAY IN SEWER PIPE	M	58,034	407,805
	CLAY IN TILE	TILE	8,692	3,277
	NATURAL GAS	CU.M	69,533,930	8,622,205
	PETROLEUM	CU.M	22,848	5,003,712
	SAND & GRAVEL	TONNE	317,658	687,705
				17,720,188
COUNTY OF ESSEX				
	LIME	TONNE	331,922	21,243,008
	PETROLEUM	CU.M	27,093	5,933,367
	SALT	TONNE	3,188,718	72,250,832
	SAND & GRAVEL	TONNE	207,360	586,759
	STONE	TONNE	2,634,488	11,924,273
				111,938,239
COUNTY OF FRONTENAC				
	SAND & GRAVEL	TONNE	198,005	387,607
	STONE	TONNE	613,345	1,859,179
				2,246,786
COUNTY OF GREY				
	SAND & GRAVEL	TONNE	1,565,806	2,374,541
	STONE	TONNE	161,500	1,484,180
				3,858,721
COUNTY OF HASTINGS				
	SAND & GRAVEL	TONNE	514,329	979,873
	STONE	TONNE	838,534	3,414,265
	TALC	TONNE	19,723	2,594,910

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

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MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF HASTINGS				
				6,969,048
COUNTY OF HURON	NATURAL GAS	CU.M	5,079,900	629,906
	PETROLEUM	CU.M	77	16,863
	SALT	TONNE	1,929,739	47,621,243
	SAND & GRAVEL	TONNE	1,106,650	1,785,762
				50,053,774
COUNTY OF KENT	CLAY IN TILE	TILE	1,015,299	343,476
	NATURAL GAS	CU.M	140,230,210	17,388,539
	PETROLEUM	CU.M	17,646	3,884,474
	SAND & GRAVEL	TONNE	513,800	2,234,679
				23,831,168
COUNTY OF LAMBTON	NATURAL GAS	CU.M	103,313,000	12,810,808
	PETROLEUM	CU.M	40,738	8,921,184
	SALT	TONNE	732,306	5,361,365
	SAND & GRAVEL	TONNE	350,887	960,730
				28,054,087
COUNTY OF LANARK	CLAY IN OTHER PRODUT	N/A	N/A	106,230
	SAND & GRAVEL	TONNE	588,345	1,042,559
	STONE	TONNE	166,854	7,578,379
				8,727,168
COUNTY OF LENNOX AND ADDINGTON	CEMENT	TONNE	327,012	21,650,686
	SAND & GRAVEL	TONNE	371,700	875,880
	STONE	TONNE	419,030	1,302,618
				23,829,184
COUNTY OF MIDDLESEX	CLAY IN TILE	TILE	2,366,501	740,218
	PETROLEUM	CU.M	3,353	734,307
	SAND & GRAVEL	TONNE	3,479,303	10,786,931
				12,261,456
COUNTY OF NORTHUMBERLAND	SAND & GRAVEL	TONNE	1,182,920	2,234,962
	STONE	TONNE	2,791,075	3,114,157

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

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VOLUME AND VALUE OF ONTARIO MINERAL COMMODITY PRODUCTION IN 1985 REPORT 2 PAGE 3

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF NORTHUMBERLAND				5,349,119
COUNTY OF OXFORD	CEMENT	TONNE	436,184	37,676,902
	CLAY IN TILE	TILE	513,615	169,493
	GYPSUM	TONNE	192,164	3,251,472
	LIME	TONNE	672,358	41,138,656
	NATURAL GAS	CU M	4,708,500	583,854
	PETROLEUM	CU.M	1,193	261,267
	SAND & GRAVEL	TONNE	773,738	1,891,214
	STONE	TONNE	2,571,768	11,172,496
				96,145,354
COUNTY OF PERTH	CEMENT	TONNE	415,081	28,913,062
	SAND & GRAVEL	TONNE	392,047	1,416,235
	STONE	TONNE	392,835	1,555,626
				31,884,923
COUNTY OF PETERBOROUGH	MAGNETITE	TONNE	3,569	49,563
	NEPHELINE SYENITE	TONNE	467,186	18,503,456
	SAND & GRAVEL	TONNE	1,026,942	1,697,343
	STONE	TONNE	412,853	22,[illegible]89,[illegible]
				43,140,225
COUNTY OF PRINCE EDWARD	CEMENT	TONNE	1,051,333	63,578,254
	SAND & GRAVEL	TONNE	31,423	61,528
	STONE	TONNE	1,525,223	879,561
				64,519,343
COUNTY OF RENFREW	CALCIUM	KG	738,542	7,789,402
	CLAY IN OTHER PRODCT	N/A	N/A	17,476
	LIME	TONNE	44,101	2,822,464
	MAGNESIUM	KG	8,446,260	36,369,595
	SAND & GRAVEL	TONNE	1,052,362	2,441,720
	STONE	TONNE	282,964	5,556,270
				54,996,927
COUNTY OF SIMCOE	CLAY IN OTHER PRODCT	N/A	N/A	1,802,579
	SAND & GRAVEL	TONNE	2,474,848	5,807,503
	STONE	TONNE	3,532,917	14,585,965

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

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MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF SIMCOE				22,176,047
COUNTY OF VICTORIA	SAND & GRAVEL	TONNE	2,625,756	5,617,412
	STONE	TONNE	771,500	3,228,700
				8,846,112
COUNTY OF WELLINGTON	CLAY IN OTHER PRODCT	N/A	N/A	93,910
	CLAY IN TILE	TILE	3,157,677	987,720
	LIME	TONNE	82,655	5,891,293
	NATURAL GAS	CU.M	1,216,500	150,846
	SAND & GRAVEL	TONNE	3,319,034	8,747,664
	STONE	TONNE	387,614	1,353,053
				17,224,486
DISTRICT OF ALGOMA	IRON ORE	TONNE	1,382,137	62,355,369
	LIME	TONNE	325,446	21,912,326
	SAND & GRAVEL	TONNE	2,065,269	3,432,475
	STONE	TONNE	50	4,000
	URANIUM	KG	4,499,427	552,561,058
				640,265,228
DISTRICT OF COCHRANE	CADMIUM	KG	625,645	1,776,134
	COPPER	KG	110,298,527	212,874,961
	GOLD	G	11,415,298	155,429,818
	LEAD	KG	2,333,120	1,049,905
	SAND & GRAVEL	TONNE	1,621,019	2,587,247
	SELENIUM	KG	81,598	1,780,386
	SERPENTINE FILLER	TONNE	4,090	595,648
	SILVER	KG	240,646	64,754,568
	STONE	TONNE	30,111	160,575
	SULPHUR	TONNE	169,748	14,431,389
	TALC	TONNE	27,853	7,028,821
	ZINC	KG	197,855,656	218,094,401
				680,563,853
DISTRICT OF KENORA	GOLD	G	8,985,583	125,721,793
	IRON ORE	TONNE	786,856	39,239,365
	SAND & GRAVEL	TONNE	1,711,137	3,540,379
	SILVER	KG	987	259,545
	STONE	TONNE	1,523,285	11,863,120

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

VOLUME AND VALUE OF ONTARIO MINERAL COMMODITY PRODUCTION IN 1985 REPORT 2 PAGE 5

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
				180,624,202
DISTRICT OF KENORA				
DISTRICT OF MANITOULIN	QUARTZ	TONNE	361,771	9,895,439
	SAND & GRAVEL	TONNE	46,730	30,183
	STONE	TONNE	944,918	3,511,146
				13,436,768
DISTRICT OF NIPISSING	IRON ORE	TONNE	992,081	61,131,461
	SAND & GRAVEL	TONNE	306,786	804,370
				61,935,831
DISTRICT OF PARRY SOUND	SAND & GRAVEL	TONNE	526,540	997,193
	STONE	TONNE	867	137,636
				1,134,829
DISTRICT OF RAINY RIVER	SAND & GRAVEL	TONNE	469,531	905,318
				905,318
DISTRICT OF SUDBURY	GOLD	G	928,087	13,115,943
	QUARTZ	TONNE	82	8,483
	SAND & GRAVEL	TONNE	1,359,626	2,961,452
	SILVER	KG	279	80,490
				16,166,368
DISTRICT OF THUNDER BAY	CADMIUM	KG	222,542	809,607
	COPPER	KG	24,085,483	46,065,493
	GEMSTONES	TONNE	80	108,588
	GOLD	G	4,075,930	57,900,342
	LEAD	KG	1,485,914	857,371
	SAND & GRAVEL	TONNE	3,223,588	4,835,625
	SILVER	KG	89,286	24,600,729
	STONE	TONNE	617,561	1,840,637
	SULPHUR	TONNE	41,133	3,496,986
	ZINC	KG	69,082,649	82,906,181
				223,421,559
DISTRICT OF TIMISKAMING	BARITE	TONNE	9,000	1,800,000
	COPPER	KG	42	83

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

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MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
DISTRICT OF TIMISKAMING	GOLD	G	4,434,391	64,804,567
	IRON ORE	TONNE	1,141,393	69,082,370
	SAND & GRAVEL	TONNE	379,491	896,367
	SILVER	KG	52,653	14,345,020
				150,928,407
DM OF MUSKOKA	SAND & GRAVEL	TONNE	521,788	1,163,597
				1,163,597
PROVISIONAL COUNTY OF HALIBURTON	SAND & GRAVEL	TONNE	187,403	149,949
	STONE	TONNE	6,574	236,735
				386,684
RM OF DURHAM	CEMENT	TONNE	453,828	28,710,003
	SAND & GRAVEL	TONNE	5,092,505	14,140,719
	STONE	TONNE	763,131	3,159,362
				46,010,084
RM OF HALDIMAND-NORFOLK	GYPSUM	TONNE	922,273	11,804,108
	NATURAL GAS	CU.M	258,812,970	32,092,805
	SAND & GRAVEL	TONNE	379,265	1,335,885
	STONE	TONNE	872,993	3,514,564
				48,747,362
RM OF HALTON	CLAY IN BRICK	BRICK	77,317,000	15,603,000
	LIME	TONNE	195,981	16,967,953
	PETROLEUM	CU.M	8	1,752
	SAND & GRAVEL	TONNE	1,619,284	4,755,162
	STONE	TONNE	8,888,433	38,390,477
				75,718,344
RM OF HAMILTON-WENTWORTH	CLAY IN BRICK	BRICK	8,693,213	1,785,917
	SAND & GRAVEL	TONNE	51,824	165,504
	STONE	TONNE	2,830,790	13,859,714
				15,811,135
RM OF NIAGARA	NATURAL GAS	CU.M	6,516,490	808,044
	PEAT	TONNE	5,576	908,115

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
RM OF NIAGARA	SAND & GRAVEL	TONNE	616,063	3,091,974
	STONE	TONNE	3,166,063	15,128,755
				19,934,888
RM OF OTTAWA-CARLETON	CLAY IN BRICK	BRICK	19,861,000	3,731,000
	SAND & GRAVEL	TONNE	1,699,779	5,862,200
	STONE	TONNE	6,194,540	17,954,911
				27,548,111
RM OF PEEL	CEMENT	TONNE	1,360,306	84,519,226
	CLAY IN BRICK	BRICK	287,482,000	57,866,153
	SAND & GRAVEL	TONNE	4,820,299	13,307,687
	STONE	TONNE	572,923	983,194
				156,676,260
RM OF SUDBURY	COBALT	KG	1,731,269	60,433,575
	COPPER	KG	144,156,197	288,294,205
	GOLD	G	1,760,367	24,520,150
	IRON ORE	TONNE	25,113	687,626
	NICKEL	KG	131,034,865	930,760,468
	PLATINUM GROUP	KG	11,594	153,626,084
	SAND & GRAVEL	TONNE	2,182,638	3,922,167
	SELENIUM	KG	38,708	844,569
	SILVER	KG	46,262	12,901,915
	SULPHUR	TONNE	239,109	20,328,223
	TELLURIUM	KG	4,804	159,084
				1,494,478,066
RM OF WATERLOO	SAND & GRAVEL	TONNE	3,797,715	10,278,565
				10,278,565
RM OF YORK	SAND & GRAVEL	TONNE	4,364,384	13,530,293
				13,530,293
UC OF LEEDS AND GRENVILLE	SAND & GRAVEL	TONNE	849,643	3,339,455
	STONE	TONNE	294,376	1,566,187

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

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MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
UC OF LEEDS AND GRENVILLE				4,905,642
UC OF PRESCOTT AND RUSSELL	SAND & GRAVEL	TONNE	63,574	226,391
	STONE	TONNE	832,217	2,599,734
				2,826,125
UC OF STORMONT, DUNDAS AND GLENGARRY	SAND & GRAVEL	TONNE	488,228	1,143,611
	STONE	TONNE	782,581	3,518,400
				4,662,011
GRAND TOTAL				4,535,693,641

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

VOLUME AND VALUE OF PRODUCTION

BY

MINING DIVISIONS

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LOCATIONS OF MINING RECORDERS' OFFICES

MINING DIVISION	MINING RECORDER	ADDRESS
RED LAKE	A.S. RIVETT	P.O. BOX 5003 O.P.P. BLDG. RED LAKE P0V 2M0
KENORA	MARK HULL	808 ROBERTSON STREET ST KENORA P9N 3X9
PATRICIA	R. SPOONER	P.O. BOX 309 COURT HOUSE SIOUX LOOKOUT P0V 2T0
THUNDER BAY	A.M. HAYES	435 JAMES ST. S. P.). BOX 5000 THUNDER BAY (F) P7C 5G6
SAULT STE. MARIE	M. St. JULES	P.O. BOX 669 875 QUEEN ST. E. SAULT STE. MARIE P6A 5N2
PORCUPINE	B.W. HANLEY	60 WILSON AVE. TIMMINS P4N 2S7
SUDBURY	V.C. MILLER	199 LARCH ST. 10th FLOOR SUDBURY P3E 5P9
LARDER LAKE	G.J. KOLESZAR	P.O. BOX 984 4 GOVERNMENT RD. E. KIRKLAND LAKE P2N 1A2
EASTERN ONTARIO	RM.CHARNESKY	WHITNEY BLOCK, ROOM 2548 QUEEN'S PARK TORONTO M7A 1W3

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VOLUME AND VALUE OF ONTARIO MINERAL COMMODITY PRODUCTION IN 1985 REPORT 2 PAGE 1

MINING DIVISION	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
EASTERN ONTARIO	CALCIUM	KG	738,542	7,789,402
	CEMENT	TONNE	4,043,742	265,048,133
	CLAY IN BRICK	BRICK	393,353,213	78,986,070
	CLAY IN FLUE LINING	M	348,029	2,995,484
	CLAY IN OTHER PRODCT	N/A	N/A	2,020,195
	CLAY IN SEWER PIPE	M	55,034	407,806
	CLAY IN TILE	TILE	7,061,784	2,244,184
	GYPSUM	TONNE	1,114,437	15,055,580
	LIME	TONNE	1,327,017	88,063,374
	MAGNESIUM	KG	8,446,280	38,389,595
	MAGNETITE	TONNE	3,589	49,588
	NATURAL GAS	CU.M	589,886,980	73,143,484
	NEPHELINE SYENITE	TONNE	487,188	18,803,456
	PEAT	TONNE	5,576	908,115
	PETROLEUM	CU.M	112,954	24,736,926
	SALT	TONNE	5,828,762	125,233,440
	SAND & GRAVEL	TONNE	50,887,384	133,820,733
	STONE	TONNE	42,669,723	194,011,644
	TALC	TONNE	19,723	2,594,910
				1,072,082,118
KENORA	SAND & GRAVEL	TONNE	1,277,023	3,787,485
	STONE	TONNE	817,670	6,518,683
				10,306,168
LARDER LAKE	BARITE	TONNE	9,000	1,800,000
	COPPER	KG	42	83
	GOLD	G	4,434,391	64,804,567
	IRON ORE	TONNE	1,141,393	69,082,370
	SAND & GRAVEL	TONNE	485,958	987,975
	SERPENTINE FILLER	TONNE	4,090	595,648
	SILVER	KG	390	108,103
				137,378,746
PATRICIA	COPPER	KG	4,650,091	9,235,078
	GOLD	G	96,566	1,345,065
	LEAD	KG	1,236,377	713,389
	SAND & GRAVEL	TONNE	76,958	240,712
	SILVER	KG	52,883	14,748,432
	STONE	TONNE	705,615	5,344,437
	SULPHUR	TONNE	22,216	1,888,728
	ZINC	KG	37,291,043	46,782,986

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

SL R2DOA5.DAT February 4, 1987

VOLUME AND VALUE OF ONTARIO MINERAL COMMODITY PRODUCTION IN 1985 REPORT 2 PAGE 2

MINING DIVISION	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
PATRICIA				80,278,807
PORCUPINE	CADMIUM	KG	625,645	1,776,134
	COPPER	KG	110,298,527	212,874,961
	GOLD	G	11,415,298	155,429,818
	LEAD	KG	2,333,120	1,049,905
	SAND & GRAVEL	TONNE	2,674,166	4,566,652
	SELENIUM	KG	81,598	1,780,386
	SILVER	KG	240,646	64,754,568
	STONE	TONNE	30,111	160,575
	SULPHUR	TONNE	169,748	14,431,389
	TALC	TONNE	27,853	7,028,821
	ZINC	KG	197,855,656	218,094,401
				681,947,610
RED LAKE	GOLD	G	8,985,563	125,721,793
	IRON ORE	TONNE	786,856	39,239,365
	SAND & GRAVEL	TONNE	722,828	307,465
	SILVER	KG	967	259,545
				165,528,168
SAULT STE MARIE	GOLD	G	928,087	13,115,943
	IRON ORE	TONNE	1,382,137	62,355,369
	LIME	TONNE	325,446	21,912,326
	SAND & GRAVEL	TONNE	1,409,893	2,734,193
	SILVER	KG	279	80,490
	STONE	TONNE	50	4,000
	URANIUM	KG	4,499,427	552,561,058
				652,763,379
SUDBURY	COBALT	KG	1,731,269	60,433,575
	COPPER	KG	144,156,197	286,294,205
	GOLD	G	1,760,367	24,520,150
	IRON ORE	TONNE	1,017,194	61,819,087
	NICKEL	KG	131,034,865	930,760,468
	PLATINUM GROUP	KG	11,594	153,626,084
	QUARTZ	TONNE	361,833	9,903,922
	SAND & GRAVEL	TONNE	3,696,924	6,992,754
	SELENIUM	KG	38,708	844,569
	SILVER	KG	96,525	27,138,832

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MINING DIVISION	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
SUDBURY	STONE	TONNE	1,013,740	3,788,434
	SULPHUR	TONNE	239,109	20,328,223
	TELLURIUM	KG	4,804	159,084
				1,588,807,387
THUNDER BAY	CADMIUM	KG	222,542	809,807
	COPPER	KG	19,435,392	38,830,415
	GEMSTONES	TONNE	80	108,588
	GOLD	G	3,979,384	58,555,277
	LEAD	KG	249,537	143,982
	SAND & GRAVEL	TONNE	3,290,789	4,908,982
	SILVER	KG	38,403	9,852,297
	STONE	TONNE	817,581	1,840,837
	SULPHUR	TONNE	18,917	1,808,258
	ZINC	KG	31,791,808	38,143,215
				148,801,258
GRAND TOTAL				4,535,893,841

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

SL R2DDA5.DAT February 4, 1987

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DIRECT COSTS OF THE MINERAL INDUSTRY IN ONTARIO REPORT 3 PAGE 1

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	WAGES + SALARIES	FUEL + ELECTRICITY	PROCESS SUPPLIES	TOTAL COST
			$	$	$	$
GOLD QUARTZ MINES	1978	2594	39999068	5616067	19057643	64672778
	1979	2560	44526912	5958844	15932634	66418390
SIC 0520	1980	3150	65072925	8338519	28334353	101745797
	1981	3438	77224128	9935628	29775867	116935623
	1982	3275	88258983	13018166	34508712	135785861
	1983	3578	98282696	15921042	39800828	154004566
	1984	3823	118391280	20320240	70710590	209422110
	1985	3599	118309549	25270738	72367847	215948134
URANIUM MINES	1978	3600	62653681	13283089	56519412	132456182
	1979	4467	90840451	15558614	69113002	175512067
SIC 0570	1980	4848	114952403	24507283	73859193	213318879
	1981	5172	149537232	28442968	95264806	273245006
	1982	4860	174803343	36455060	108663452	319921855
	1983	4642	166534024	36653587	105513591	308701202
	1984	4937	190398325	44263466	114266534	348928325
	1985	4684	187430242	44257678	111456917	343144837
IRON MINES	1978	3608	70607440	43306855	62236000	176150295
	1979	2987	69251674	39673006	58319450	167244130
SIC 0580	1980	2261	55644898	28850950	53660499	138156347
	1981	2168	58824347	33425204	63871261	156120812
	1982	1716	52587594	28257644	43577098	124422336
	1983	1512	53604366	29409268	38699242	121712876
	1984	1592	62642951	33352840	46294036	142289827
	1985	1476	57714648	33880934	48944907	140540489
COPPER-GOLD-SILVER M	1978	3239	57073439	13591268	48150217	118814924
	1979	3474	68667757	16397188	60049807	145114752
SIC 0591	1980	3349	76025103	18109295	65753682	159888080
	1981	3427	89398614	22746702	81159359	193304675
	1982	3279	93581362	23705167	76597073	193883602
	1983	2947	90226627	23833815	68849364	182909806
	1984	2900	93930323	24994108	71206003	190130434
	1985	2676	90565506	26525383	74917250	192008139

NOTE: THE 1979 AND PREVIOUS YEARS STATISTICS MAY VARY FROM REPORT TO REPORT DUE TO VARIOUS INFORMATION SOURCES AND AGGREGATIONS USED. THE STATISTICS FROM THE 1980 CENSUS ARE FROM A COMMON SOURCE AND THE AGGREGATION METHODS ARE COMPUTER PROGRAMMED.

DIRECT COSTS OF THE MINERAL INDUSTRY IN ONTARIO REPORT 3 PAGE 2

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	WAGES + SALARIES	FUEL + ELECTRICITY	PROCESS SUPPLIES	TOTAL COST
			$	$	$	$
NICKEL-COPPER MINES	1978	8255	146146243	11366964	89632873	247146080
	1979	7638	148614248	10751503	86178952	245544703
SIC 0592	1980	11704	235360059	17951963	165303098	418615120
	1981	11384	250899731	19452118	183757813	454109662
	1982	10558	193204602	17981702	41715363	252901667
	1983	8515	197679934	29985927	80424792	308090653
	1984	8202	246327216	35382427	107984151	389693794
	1985	7338	246904090	39227882	119803790	405935762
SILVER-COBALT MINES	1978	181	2792710	366990	952435	4112135
	1979	201	3318814	390823	664315	4373952
SIC 0593	1980	237	4618660	463043	1457634	6539337
	1981	229	4859572	550963	1496726	6907261
	1982	195	5360823	672370	1826156	7859349
	1983	194	4748625	668296	2285964	7702885
	1984	184	4526202	752248	2565471	7843921
	1985	118	3631323	618264	1270762	5520349
NON-METALLIC MINES	1978	1170	20660687	5529152	13156967	39346806
	1979	1258	24309378	6282725	16866873	47458976
PEAT BOG	1979					
	1980	42	359879	20183	177819	557881
SIC 0720	1981	35	349218	51404	425045	825667
	1982	33	363832	34321	169205	567358
	1983	34	413890	34290	226973	675153
	1984	35	434738	34535	198708	667981
	1985	30	426356	39931	205546	671833
GYPSUM MINES	1979					
	1980	165	2304130	1026917	2392139	5723186
SIC 0730	1981	161	2895764	1184675	3311324	7391763
	1982	126	2456018	1172254	2166241	5794513
	1983	152	3951684	1911654	4126233	9989571
	1984	184	4991891	2269678	5450157	12711726
	1985	184	5639928	2512510	5026131	13178569

DIRECT COSTS OF THE MINERAL INDUSTRY IN ONTARIO REPORT 3 PAGE 3

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	WAGES + SALARIES	FUEL + ELECTRICITY	PROCESS SUPPLIES	TOTAL COST
			$	$	$	$
TALC & SOAPSTONE M	1979					
	1980	59	922730	560178	554776	2037684
SIC 0791	1981	59	1101120	731695	837784	2670599
	1982	70	1439458	869535	1051362	3360355
	1983	78	1705120	1164842	1496862	4366824
	1984	91	2045366	1401811	1752825	5200002
	1985	119	3159969	1602421	1909860	6672250
FELDSPAR & QUARTZ M	1979					
	1980	331	5736345	1980102	2501398	10217845
SIC 0792	1981	330	7385222	2428676	4639761	14453659
	1982	290	7699109	2407234	5035644	15141987
	1983	288	7346191	2635605	5196477	15178273
	1984	263	7123848	2798587	5254440	15176875
	1985	269	7854943	2947264	5430400	16232607
SALT MINES	1979					
	1980	687	15947087	4360822	10518516	30826425
SIC 0793	1981	706	17361450	5204386	12640456	35206292
	1982	748	21823558	5963975	14104272	41891805
	1983	773	25041890	7208747	14314890	46565527
	1984	809	26260638	7875111	14316277	48452026
	1985	727	26413134	8175108	16078098	50666340
MISC. NON-METAL M	1979					
	1980	19	224610	64476	134505	423591
SIC 0799	1981	35	580087	62188	139815	782090
	1982	31	558092	49217	109872	717181
	1983	28	560213	55976	123071	739260
	1984	29	581173	68041	149727	798941
	1985	32	652357	104726	192606	949689
STONE QUARRIES	1978	1005	16935014	4083156	14901393	35919563
	1979	933	18120900	4505341	16188621	38814862
GRANITE QUARRIES	1979					
	1980					
SIC 0831	1981	120	2260497	1108726	3602223	6971446

DIRECT COSTS OF THE MINERAL INDUSTRY IN ONTARIO REPORT 3 PAGE 4

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	WAGES + SALARIES	FUEL + ELECTRICITY	PROCESS SUPPLIES	TOTAL COST
			$	$	$	$
GRANITE QUARRIES	1982	118	2263335	1155862	5150365	8569562
	1983	122	2975472	1483778	5423256	9882506
SIC 0831	1984	114	2976044	1483974	4649373	9109391
	1985					
LIMESTONE QUARRIES	1979					
	1980	889	17892633	4547766	16420423	38860822
SIC 0832	1981	1049	22885316	8383081	23162102	54430499
	1982	817	21675279	7171563	20836499	49683341
	1983	1071	23137549	7001076	15920702	46059327
	1984	841	23646687	9262946	20290210	53199843
	1985	1362	42569632	43420449	37076413	123066494
MARBLE QUARRIES	1979					
	1980					
SIC 0833	1981					
	1982					
	1983					
	1984					
	1985					
SANDSTONE QUARRIES	1979					
	1980					
SIC 0834	1981					
	1982					
	1983					
	1984					
	1985					
SHALE QUARRIES	1979					
	1980					
SIC 0835	1981					
	1982					
	1983					
	1984					
	1985					

DIRECT COSTS OF THE MINERAL INDUSTRY IN ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	WAGES + SALARIES	FUEL + ELECTRICITY	PROCESS SUPPLIES	TOTAL COST
			$	$	$	$
SLATE QUARRIES	1984					
	1985					
SAND AND GRAVEL PITS	1978	1208	20275235	4763395	9378222	34416852
	1979	1073	20333063	5007099	9159102	34499264
SIC 0870	1980	1090	17464606	5472706	12707495	35644807
	1981	1159	20470349	8001036	14861079	43332464
	1982	916	18498926	7069376	10778612	36346914
	1983	898	20023533	7030838	12619441	39673812
	1984	728	18178588	7148865	10821858	36149311
	1985	1177	28910107	10749912	20788563	60448582
SMELTING & REFINING	1978	6390	120686758	60083794	55627738	236398290
	1979	6417	135149600	64152389	64743725	264045714
SIC 2950	1980	9481	189857863	100211050	115784620	405853533
	1981	9347	211664043	113556316	101296643	426517002
	1982	8907	201900983	74476007	80883415	357260405
	1983	7989	208509070	92519698	82742341	383771109
	1984	7506	226256171	104173603	95947429	426377203
	1985	7004	223106203	111201026	112083993	446391222
CLAY PRODUCTS MANUF.	1978	1165	16707757	7860493	9341332	33909582
	1979	1316	21076963	9505634	10378009	40960606
SIC 3510	1980	1158	20106074	9733067	9071897	38911038
	1981	972	18991946	12238968	9447412	40678326
	1982	770	15899740	10539888	7340062	33779690
	1983	875	20458078	15806387	11910425	48174890
	1984	936	21103635	173C7326	13220797	51631758
	1985	739	20143779	15159358	12494711	47797848
CEMENT MANUFACTURERS	1978	567	10517344	19574713	10212522	40304579
	1979	1205	25281392	51614609	34886933	111782934
SIC 3520	1980	1248	29633770	46701715	33161538	109497023
	1981	1244	34895941	51386576	33436041	119718558
	1982	1110	34359980	47680918	29762461	111803359
	1983	1130	35203342	45230174	31801634	112235150
	1984	1120	37228532	53361300	35473834	126063666
	1985	1060	38464134	66129633	45768212	150361979

NOTE: 1979 & PREVIOUS YEARS SAND&GRAVEL & STONE STATS ARE ESTIMATES OF S&G & S INDUSTRIES AND ARE NOT RELIABLE. 1980 AND LATER STATS INCLUDE ONLY LARGE OPERATIONS REPORTING EMPLOYMENT. THE LARGE OPERATIONS IN 1985 PRODUCED 47% OF S&G AND 79% OF LIMESTONE. OTHER REPORTS IN THIS SERIES, FOR EXAMPLE R11, INCLUDE ALL KNOWN OPERATIONS REGARDLESS OF SIZE

DIRECT COSTS OF THE MINERAL INDUSTRY IN ONTARIO REPORT 3 PAGE 6

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	WAGES + SALARIES	FUEL + ELECTRICITY	PROCESS SUPPLIES	TOTAL COST
			$	$	$	$
LIME MANUFACTURERS	1978	252	4087766	9592629	2892702	16573097
	1979	331	5980710	15739071	4946195	26665976
SIC 3580	1980	534	10920895	23989308	9359973	44270176
	1981	487	11081048	30818658	10363856	52263562
	1982	458	11864945	28030041	10066733	49961719
	1983	449	12826862	29982991	10156918	52966771
	1984	469	14231975	32171972	11638523	58042470
	1985	393	13530834	32528030	13713816	59772680
GRAND TOTAL FOR ALL SIC'S	1978	33234	589143142	199018565	392059456	1180221163
	1979	33860	675471862	245536846	447427618	1368436326
	1980	41252	863044670	296889343	601153558	1761087571
	1981	41522	982665625	349709968	673489373	2005864966
	1982	38277	948599962	306710300	494342597	1749652859
	1983	35275	973229166	348537991	531633004	1853400161
	1984	34763	1101275583	398423078	632190943	2131889604
	1985	* 32987	1115426734	464351247	699529822	2279307803

NOTE: MORE STANDARD INDUSTRIAL CLASSES OF THE MINERAL INDUSTRY ARE SELECTED IN REPORT 3 AND 4A AND 4B THAN IN REPORT 1.
REPORT 1 COVERS ONLY PRODUCTION OF RAW ORE AND SAND & GRAVEL AND STONE.
REPORT 3 COVERS, IN ADDITION, SMELTERS AND REFINERIES AND PRODUCTION OF CEMENT, LIME AND CLAY PRODUCTS.

* 34987 INCLUDING 2000 ESTIMATE OF SMALL S&G & STONE INDUSTRIES.

FUEL AND ELECTRICITY USED IN THE MINERAL INDUSTRY OF ONTARIO REPORT 4A PAGE 1

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO. 1	DIESEL OIL	LIGHT FUEL OIL NO. 2 - 3	HEAVY FUEL OIL NO. 4, 5-6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		TONNE	1000 M3	LITRE	LITRE	LITRE	LITRE	LITRE	LITRE	1000 KWH
GOLD QUARTZ MINES	1978	46	6483	242465	11847	1228967	2931091	0	1011809	277188
	1979	8	6744	265151	19	1494741	2569546	0	1244251	260736
SIC 0520	1980	348	6310	433434	24017	2491642	2483732	200	1525090	306607
	1981	132	7037	361276	56990	2452163	2485773	0	1433321	293567
	1982	173	8558	972079	817075	2370144	2863039	1594	2204173	335058
	1983	369	8920	702911	207298	5475816	2937677	0	2329767	371258
	1984	367	6942	1272733	352690	10495308	2765594	0	2246168	449892
	1985	29	8309	1151850	333424	11496692	3143743	782184	3992111	510743
URANIUM MINES	1978	13199	0	1118138	877249	5298136	1578038	24789806	24611831	411190
	1979	14777	0	999653	886347	5066521	1670133	27295875	32831898	474399
SIC 0570	1980	14700	0	1102983	618379	6721397	1643050	41266721	31398016	597760
	1981	359	0	1167631	503610	8490485	1381400	54915309	25490071	555460
	1982	828	0	1051075	251391	9146679	848657	59014018	30394560	697035
	1983	477	0	1002511	224031	8311169	662214	58173812	21372775	657118
	1984	402	0	723050	0	8854996	877958	62749615	24523270	754544
	1985	189	18169	755981	0	8851817	341410	47946119	12569236	720455
IRON MINES	1978	119306	245614	2323833	3477	28352854	5317329	27363661	877983	1166671
	1979	121315	211794	1827483	2273	20867007	5022225	13801975	1093048	997556
SIC 0580	1980	86988	79753	971396	0	17091371	3432648	10649839	673616	700463
	1981	93132	76439	1276170	0	17916869	3600721	10371582	517860	698899
	1982	67457	51045	977120	0	11863261	3222327	8276805	678570	507783
	1983	85062	46841	740146	0	10153064	2862673	8871685	655274	474741
	1984	75089	49105	678636	0	12031330	2650871	8887590	1108361	580176
	1985	79361	52670	512692	0	9488551	2525486	9220475	838734	531364

NOTE: THE 1979 AND PREVIOUS YEARS STATISTICS MAY VARY FROM REPORT TO REPORT DUE TO VARIOUS INFORMATION SOURCES AND AGGREGATIONS USED. THE STATISTICS FROM THE 1980 AND LATER CENSUS ARE FROM A COMMON SOURCE AND THE AGGREGATION METHODS ARE COMPUTER PROGRAMMED.

SL R4A.DAT February 3, 1987

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO 1	DIESEL OIL	LIGHT FUEL OIL NO 2 - 3	HEAVY FUEL OIL NO 4.5-6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		TONNE	1000 M3	LITRE	LITRE	LITRE	LITRE	LITRE	LITRE	1000 KWH
COPPER-GOLD-SILVER M	1978	0	17742	1245187	635534	713698[illegible]	5667046	4681993	10843234	488013
	1979	0	25556	1283577	4501	7802991	5120807	4811045	5254384	570931
SIC 0581	1980	0	22481	845174	0	8644800	6150643	5394584	4323955	569121
	1981	2	22442	1348668	905000	9863852	4794634	4328579	8236959	587247
	1982	3	27550	1170200	727844	8405664	941851	5138317	8209316	551234
	1983	2	26480	988083	547668	7209439	1515206	5347690	6560354	526914
	1984	3	25865	786966	355230	5985226	477273	5329357	4153270	557305
	1985	3	26797	752576	392070	6549768	456655	3841710	4827782	556578
NICKEL-COPPER MINES	1978	0	38242	1002549	818	5672820	6702345	6485074	5853053	328015
	1979	0	35206	877641	409	4454441	3383388	5711803	3351523	316887
SIC 0582	1980	0	37916	1028872	1955	8258069	3122718	10365049	5813363	476746
	1981	0	34755	941134	2432	7219240	2706335	7117239	6339763	482063
	1982	0	24100	646104	1923	3411853	3516336	5812382	4426580	367150
	1983	0	21251	909223	7275	7605024	2247470	6247518	1643006	723044
	1984	0	25289	395044	5177	9674566	1706611	6127658	3342486	912561
	1985	0	35030	845052	2914	9556128	2047245	884905	589384	980218
SILVER-COBALT MINES	1978	0	0	106851	7878	6691	536174	0	0	11980
	1979	0	0	106347	9774	6987	533447	0	0	12809
SIC 0583	1980	0	0	130032	9173	9602	555037	0	0	12684
	1981	0	0	121794	1215	22675	383912	0	0	13343
	1982	0	0	93287	0	68074	194153	73876	0	15645
	1983	0	0	108407	0	13154	163386	0	0	15297
	1984	0	0	165991	0	16152	181684	0	0	15046
	1985	0	0	78033	0	1290	159778	0	0	11178
PEAT BOG	1978	0	0	59381	2695	9319	900	2373	0	146
	1979	0	0	86194	2005	5455	900	705	0	135
SIC 0720	1980	0	0	69265	5136	3198	72	72	0	200

FUEL AND ELECTRICITY USED IN THE MINERAL INDUSTRY OF ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO.1	DIESEL OIL	LIGHT FUEL OIL NO.2 + 3	HEAVY FUEL OIL NO.4.5-6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		TONNE	1000 M3	LITRE	LITRE	LITRE	LITRE	LITRE	LITRE	1000 KWH
PEAT BOG	1981	0	182	78070	0	0	0	0	0	293
	1982	0	50	88182	0	0	0	0	0	131
SIC 0720	1983	0	0	78788	0	0	0	0	0	128
	1984	0	0	80788	0	0	0	0	0	104
	1985	0	0	89118	0	0	0	0	0	114
GYPSUM MINES	1978	0	0	0	0	194345	0	0	0	18056
	1979	0	0	0	0	201451	0	0	0	20875
SIC 0730	1980	0	6777	0	0	176773	45163	224274	0	18548
	1981	0	5689	0	0	193017	413	0	68944	19204
	1982	0	6031	0	0	113535	9580	0	44000	15756
	1983	0	7277	0	0	138063	0	0	21074	22598
	1984	0	8415	0	0	188175	86938	0	86059	26095
	1985	0	9965	0	0	115308	143438	0	41101	27967
TALC & SOAPSTONE M	1978	0	282	55030	88877	44205	0	0	0	2586
	1979	0	1874	11852	184798	55258	0	0	0	3780
SIC 0791	1980	0	4116	9135	111495	61645	0	0	0	7913
	1981	0	3705	8707	105918	39135	0	0	940	7832
	1982	0	4109	10750	38100	58380	234311	0	167	9387
	1983	0	5450	14000	56600	103468	182503	0	433	9764
	1984	0	4966	20000	79000	85481	75723	0	0	11919
	1985	0	5541	15444	78000	76780	140990	0	0	14052
FELDSPAR & QUARTZ M	1978	0	7033	157330	0	1188411	3219499	0	82788	39275
	1979	0	1824	183780	0	1236937	3240889	0	52221	56930
SIC 0792	1980	0	1745	214884	0	1210380	2603590	0	53066	48155
	1981	0	1700	232040	0	1229497	2350167	0	45088	50881

FUEL AND ELECTRICITY USED IN THE MINERAL INDUSTRY OF ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO.1	DIESEL OIL	LIGHT FUEL OIL NO.2 + 3	HEAVY FUEL OIL NO.4,5+6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		TONNE	1000 M3	LITRE	LITRE	LITRE	LITRE	LITRE	LITRE	1000 KWH
FELDSPAR & QUARTZ M	1982	0	1868	171881	0	895845	2189710	0	50492	43485
	1983	0	1671	197221	0	957850	2288822	0	41948	44478
SIC 0792	1984	0	1821	180784	0	988193	2028987	0	52875	45453
	1985	0	1536	203984	0	846103	2021882	0	55150	43547
SALT MINES	1978	0	29701	85784	55400	1975998	158006	0	0	45059
	1979	0	30509	91740	54289	2271227	211807	0	18403	44306
SIC 0793	1980	0	32882	81439	55083	2047802	190746	0	115977	44839
	1981	0	33138	24511	155082	1733744	15375	0	117108	42830
	1982	0	28968	19834	55038	2143307	0	0	115059	44410
	1983	0	29807	13414	4927	2380789	0	0	114235	57886
	1984	0	29715	12212	0	2204822	0	0	117733	66725
	1985	0	30138	10536	0	2405184	0	0	109788	84582
MISC. NON-METAL M	1979	0	90	0	0	27599	0	0	0	2420
	1980	0	69	7573	0	14071	0	0	1494	1548
SIC 0799	1981	0	65	0	0	40178	0	0	0	1400
	1982	0	69	9722	0	18225	3674	0	435	894
	1983	0	33	8938	0	21732	0	0	0	1039
	1984	0	42	0	0	37441	0	0	0	1197
	1985	0	70	2576	0	33728	0	0	0	1823
STONE QUARRIES	1978	0	484	2428325	81484	10868542	1731851	2200857	106455	84702
	1979	0	415	2081456	2888994	8361060	1679858	2229593	176988	58089
GRANITE QUARRIES	1979									
	1980									
SIC 0831	1981	0	544	21302	0	277929	3828908	0	33891	8134

FUEL AND ELECTRICITY USED IN THE MINERAL INDUSTRY OF ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO 1	DIESEL OIL	LIGHT FUEL OIL NO 2 - 3	HEAVY FUEL OIL NO 4,5-6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		TONNE	1000 M3	LITRE	LITRE	LITRE	LITRE	LITRE	LITRE	1000 KWH
GRANITE QUARRIES	1982	0	4316	20107	0	333357	526176	0	0	8206
	1983	0	5984	22118	0	366693	0	0	0	9686
SIC 0831	1984	0	5743	23023	0	389795	0	0	0	9034
	1985	0	0	0	0	0	0	0	0	0
LIMESTONE QUARRIES	1979									
	1980	0	1251	1139195	555685	9883884	1567897	1293582	39128	47949
SIC 0832	1981	0	3463	2702988	533693	16124411	2377718	439004	156209	56460
	1982	0	4780	1627211	386967	12271479	1130559	225695	178032	59165
	1983	0	4761	1607442	62425	11359270	768730	0	136144	61177
	1984	0	3994	1529971	487552	15029427	1297888	0	211518	74300
	1985	0	86335	1261291	2051	15800546	1340506	0	163221	279215
MARBLE QUARRIES	1979									
	1980									
SIC 0833	1981									
	1982									
	1983									
	1984									
	1985									
SANDSTONE QUARRIES	1979									
	1980									
SIC 0834	1981									
	1982									
	1983									
	1984									
	1985									

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO 1	DIESEL OIL	LIGHT FUEL OIL NO 2 - 3	HEAVY FUEL OIL NO 4,5+6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		TONNE	1000 M3	LITRE	LITRE	LITRE	LITRE	LITRE	LITRE	1000 KWH
SHALE QUARRIES	1979									
	1980									
SIC 0835	1981									
	1982									
	1983									
	1984									
	1985									
SLATE QUARRIES	1984									
	1985									
SAND AND GRAVEL PITS	1978	0	137	8564890	295832	17281743	350312	72248	140919	34187
	1979	0	152	5347529	242343	17073384	146402	66555	141015	82021
SIC 0870	1980	0	749	4090198	1077040	12864219	2589880	0	40131	17549
	1981	0	4013	4119412	595985	18187036	1588358	442000	55927	21906
	1982	0	2075	3112977	915058	14359939	1102321	0	79437	24482
	1983	0	1456	1900218	837537	12753823	1580740	508390	178908	24125
	1984	0	2276	1914450	427730	13790876	91759	0	132810	22659
	1985	0	3538	2327014	429402	18380064	1281260	487495	198091	214305
SMELTING & REFINING	1978	28373	258723	740930	0	514094	4822346	127950722	663915	1781341
	1979	7462	232871	664984	37080	417749	3888318	109818041	388054	1959702
SIC 2950	1980	0	331567	1181137	83752	568999	11808552	185313015	646693	3150740
	1981	0	320533	1152474	42626	598413	7744488	129516708	588844	2421553
	1982	0	226685	124648	0	319664	14444354	88892727	817766	1179525
	1983	0	220222	118415	0	407288	3541254	86556832	1026185	1411284
	1984	0	236461	200347	0	481989	5414575	84517347	1172987	1746006
	1985	0	285387	179781	0	819836	4828972	40845698	810203	1770935

FUEL AND ELECTRICITY USED IN THE MINERAL INDUSTRY OF ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO 1	DIESEL OIL	LIGHT FUEL OIL NO 2 + 3	HEAVY FUEL OIL NO 4,5-6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		TONNE	1000 M3	LITRE	LITRE	LITRE	LITRE	LITRE	LITRE	1000 KWH
CLAY PRODUCTS MANUF.	1978	0	79788	748487	14058	1188017	3858198	0	583742	57115
	1979	0	9880	509471	273868	2905329	2259493	0	478753	88145
SIC 3510	1980	0	82104	958907	1897272	4114504	7571911	0	1234009	45238
	1981	0	75779	431010	38075	1097154	2812008	0	433718	82224
	1982	0	53073	200050	18184	1028971	2574090	0	340132	45881
	1983	0	77498	197988	7851	1342980	2823114	0	431155	58949
	1984	0	101296	155017	78508	1992281	1245430	0	495195	84094
	1985	0	78227	120891	0	1120585	489000	0	432314	45178
CEMENT MANUFACTURERS	1978	345101	83877	210702	6105	2683143	842535	78059548	92581	290798
	1979	484797	144928	383114	5392	4128536	2188378	115503804	125131	878344
SIC 3520	1980	298881	125886	333680	189583	3481383	1434284	78215934	84732	588059
	1981	428444	101104	333108	4857	4072315	1889624	48059854	78158	574714
	1982	399985	68151	282519	2841	3082005	1318211	19184890	110583	498763
	1983	382228	53508	224972	2721	2183949	1198499	15584768	199278	497538
	1984	483348	60313	237870	2115	2231895	1915500	14787744	190100	551869
	1985	580714	57281	203850	2051	2145093	857033	17059837	288728	811708
LIME MANUFACTURERS	1978	17183	12713	218818	6348	835134	8802528	78559274	0	48828
	1979	22377	133422	217087	2591	985270	2985027	28788835	0	48171
SIC 3580	1980	44821	128949	148887	3410	784078	109813	53105881	0	88057
	1981	89532	185482	222455	0	2089432	114518	29243127	32100	93138
	1982	79437	121344	218325	0	1944009	105523	12841872	25789	88180
	1983	108759	119328	135148	0	1588382	87881	1027114	14019	87793
	1984	103010	128247	123388	0	1124574	87683	4281849	18748	88158
	1985	123390	112159	198988	0	1735083	105280	3358415	82449	87708

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO. 1	DIESEL OIL	LIGHT FUEL OIL NO 2 - 3	HEAVY FUEL OIL NO 4,5+6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		TONNE	1000 M3	LITRE	LITRE	LITRE	LITRE	LITRE	LITRE	1000 KWH
GRAND TOTAL FOR ALL SIC'S	1978	523208	780797	17306478	2065230	84257607	44316196	348345554	45948290	5039251
	1979	650736	834645	14877039	4572659	78161923	34828014	305826231	45151669	5672236
	1980	445318	862335	12705971	4411940	78427635	45309538	363828931	45949470	6680156
	1981	589601	856048	14542750	2943473	91647545	37631348	284433202	43736699	5991146
	1982	547883	632570	10756081	3214221	71852191	35224872	176963976	47677171	4468950
	1983	574897	630267	8964923	1758133	72349913	22837969	182118006	34924535	5034795
	1984	632219	688290	8480210	1788002	85579927	20901450	188680960	37849360	5934137
	1985	763686	811152	6689415	1239912	89222612	19662478	124803638	25308292	6451465

NOTE: 1979 & PREVIOUS YEARS SAND&GRAVEL & STONE STATS ARE ESTIMATES OF S&G & STONE INDUSTRIES AND ARE NOT RELIABLE. 1980 AND LATER STATS INCLUDE ONLY LARGE OPERATIONS REPORTING EMPLOYMENT. THE LARGE OPERATIONS IN 1985 PRODUCED 47% OF S&G AND 79% OF LIMESTONE.
OTHER REPORTS IN THIS SERIES, FOR EXAMPLE R11, INCLUDE ALL KNOWN OPERATIONS REGARDLESS OF SIZE.

COST OF FUEL AND ELECTRICITY USED IN THE MINERAL INDUSTRY OF ONTARIO REPORT 48 PAGE 1

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO 1	DIESEL OIL	LIGHT FUEL OIL NO 2 - 3	HEAVY FUEL OIL NO 4.5-6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		$	$	$	$	$	$	$	$	$
GOLD QUARTZ MINES	1980	30884	675818	89053	5800	362920	392542	150	220730	8580592
	1981	13138	867868	137728	18738	760752	545868	0	257276	7334402
SIC 0520	1982	17808	1112510	382889	222148	878880	744381	510	417073	9229491
	1983	37503	1351410	315559	82810	1859688	815140	0	580740	11078192
	1984	41819	1169307	502186	155328	3147348	802718	0	597844	13803890
	1985	4383	1392272	586568	150348	3733171	1121850	139827	978943	17163578
URANIUM MINES	1980	1181351	0	272738	102077	1187657	262777	5832382	3816262	12052041
	1981	31053	0	387244	131829	2062709	324238	8780933	3853087	12871897
SIC 0570	1982	79859	0	408441	68735	2531654	213022	10448068	5154808	17552477
	1983	44309	0	411744	42380	2337102	184827	10888535	4232183	18535527
	1984	38765	0	297708	0	2713881	166802	13063511	5199879	22784942
	1985	19441	2831058	347019	0	2849742	100891	10589739	2898108	24822982
IRON MINES	1980	2418198	7118340	324402	0	3131380	526570	1208987	99795	14028270
	1981	3040434	7975354	391195	0	4290068	707822	1421178	104168	15495187
SIC 0580	1982	2358463	6538574	368434	0	3219393	763981	1033852	144800	13835387
	1983	3431398	6797144	298429	0	2898814	718889	1605024	166480	13497192
	1984	2958158	7521580	265981	0	3588988	678757	1984198	294354	16084228
	1985	3131831	7860048	207181	0	3040048	739714	2054876	229498	16817940
COPPER-GOLD-SILVER M	1980	0	2189074	300371	0	1677475	912453	719838	673822	11638484
	1981	267	2813131	429313	217000	2373288	1073258	885054	1590842	13584771
SIC 0591	1982	825	3808549	444275	197292	2361137	238197	1008229	1811090	13837773
	1983	477	4287765	412948	184200	2091501	410881	1017243	1375532	14073490
	1984	870	4282848	340214	98578	1755438	143819	1441745	913544	16017252
	1985	720	4420981	348040	109758	2123031	131518	1021309	1089840	17282190

NOTE: THE 1979 AND PREVIOUS YEARS STATISTICS MAY VARY FROM REPORT TO REPORT DUE TO VARIOUS INFORMATION SOURCES AND AGGREGATIONS USED. THE STATISTICS FROM THE 1980 AND LATER CENSUS ARE FROM A COMMON SOURCE AND THE AGGREGATION METHODS ARE COMPUTER PROGRAMMED.

COST OF FUEL AND ELECTRICITY USED IN THE MINERAL INDUSTRY OF ONTARIO REPORT 4B PAGE 2

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO 1	DIESEL OIL	LIGHT FUEL OIL NO.2 + 3	HEAVY FUEL OIL NO.4,5+6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		$	$	$	$	$	$	$	$	$
NICKEL-COPPER MINES	1980	0	3421152	281233	345	1461557	624770	1308320	807716	9835470
	1981	0	4091454	321425	605	1766347	758462	1212209	1103909	10126907
SIC 0592	1982	0	3170272	225916	270	980014	853084	1030576	794367	10947203
	1983	0	3362694	369345	2339	2050698	555620	1196274	358879	22073741
	1984	0	4105534	159219	1761	2980665	463787	1325268	662314	25662627
	1985	0	5535622	386210	1121	3068034	585588	177869	120380	29331848
SILVER-COBALT MINES	1980	0	0	38375	1849	2623	97204	0	0	323192
	1981	0	0	41176	278	8352	91908	0	0	398485
SIC 0593	1982	0	0	41620	0	34897	58774	23862	0	515217
	1983	0	0	51843	0	4855	54188	0	0	557410
	1984	0	0	81117	0	5472	68126	0	0	597533
	1985	0	0	39016	0	516	62952	0	0	515780
PEAT BOG	1980	0	0	13943	922	414	68	73	0	4763
	1981	0	20000	23421	0	0	0	0	0	7983
SIC 0720	1982	0	6000	24549	0	0	0	0	0	3772
	1983	0	0	30315	0	0	0	0	0	3975
	1984	0	0	30383	0	0	0	0	0	4152
	1985	0	0	35250	0	0	0	0	0	4661
GYPSUM MINES	1980	0	542133	0	0	32116	6801	27269	0	418598
	1981	0	625788	0	0	47504	95	0	11031	500257
SIC 0730	1982	0	663421	0	0	31763	2150	0	10167	464753
	1983	0	1178787	0	0	48104	0	0	6196	678567
	1984	0	1348104	0	0	60605	23898	0	25301	811570
	1985	0	1467832	0	0	42659	41497	0	12695	947827

COST OF FUEL AND ELECTRICITY USED IN THE MINERAL INDUSTRY OF ONTARIO REPORT 4B PAGE 3

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO.1	DIESEL OIL	LIGHT FUEL OIL NO.2 + 3	HEAVY FUEL OIL NO 4,5-6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		$	$	$	$	$	$	$	$	$
TALC & SOAPSTONE M	1980	0	329300	2165	19742	15846	0	0	0	193125
	1981	0	432048	2565	23723	13205	0	0	216	259938
SIC 0791	1982	0	517374	4480	11575	22435	53423	0	50	260218
	1983	0	718036	5800	19000	41842	50678	0	130	331356
	1984	0	807533	9080	26600	49813	25469	0	0	461195
	1985	0	905145	6950	27500	34526	42297	0	0	565405
FELDSPAR & QUARTZ M	1980	0	154403	56803	0	229557	406807	0	8616	1123916
	1981	0	193851	77315	0	325442	499772	0	9132	1323164
SIC 0792	1982	0	232035	62537	0	258331	531002	0	12007	1311322
	1983	0	265462	74153	0	268113	564039	0	11329	1452509
	1984	0	254526	82044	0	287218	562184	0	14842	1587773
	1985	0	244024	96029	0	271356	590377	0	16853	1728625
SALT MINES	1980	0	2639606	14313	8483	471170	30888	0	15985	1180377
	1981	0	3363225	7844	32339	502146	1823	0	19589	1277408
SIC 0793	1982	0	3818706	7434	14728	667877	0	0	21933	1433297
	1983	0	4550717	5341	1971	671133	0	0	23785	1955800
	1984	0	4804832	5368	0	645063	0	0	24511	2395537
	1985	0	4817391	5354	0	727582	0	0	23987	2600834
MISC. NON-METAL M	1980	0	8125	1944	0	2815	0	0	278	51314
	1981	0	7143	0	0	10047	0	0	0	44998
SIC 0799	1982	0	3220	3500	0	5232	845	0	100	31320
	1983	0	4306	2775	0	7017	0	0	0	41878
	1984	0	6304	0	0	13144	0	0	0	46593
	1985	0	12291	1288	0	15153	0	0	0	75994

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO. 1	DIESEL OIL	LIGHT FUEL OIL NO. 2 - 3	HEAVY FUEL OIL NO. 4, 5+6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		$	$	$	$	$	$	$	$	$
GRANITE QUARRIES	1980	0	0	0	0	0	0	0	0	0
	1981	0	74654	5306	0	69120	721831	0	5971	231844
SIC 0831	1982	0	668138	6072	0	93340	116859	0	0	271455
	1983	0	1034266	6801	0	104541	0	0	0	338170
	1984	0	1007508	9959	0	114635	0	0	0	351872
	1985	0	0	0	0	0	0	0	0	0
LIMESTONE QUARRIES	1980	0	125802	281014	88603	1770244	272745	122017	24789	1607252
	1981	0	394707	834789	120661	3995721	546752	122921	31640	2335890
SIC 0832	1982	0	638872	582765	90412	3406858	275331	45139	40982	2091204
	1983	0	809951	547906	14731	3173064	191713	0	38422	2227289
	1984	0	669808	609904	144000	4454770	363381	0	55683	2965400
	1985	0	14564936	574115	746	5156280	372673	0	30583	10369176
MARBLE QUARRIES	1980									
	1981									
SIC 0833	1982									
	1983									
	1984									
	1985									
SANDSTONE QUARRIES	1980									
	1981									
SIC 0834	1982									
	1983									
	1984									
	1985									

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO. 1	DIESEL OIL	LIGHT FUEL OIL NO. 2 + 3	HEAVY FUEL OIL NO 4,5-6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		$	$	$	$	$	$	$	$	$
SHALE QUARRIES	1980									
	1981									
SIC 0835	1982									
	1983									
	1984									
	1985									
SLATE QUARRIES	1984									
	1985									
SAND AND GRAVEL PITS	1980	0	69492	1129014	192512	2798233	495029	0	13585	774841
	1981	0	250248	1238812	141678	4966097	349698	83980	15004	976774
SIC 0870	1982	0	201519	1096325	281502	4442989	250616	0	17416	779009
	1983	0	258724	781917	134138	4323926	474153	101678	41044	915258
	1984	0	413496	777300	86793	4695661	27035	0	33028	1115552
	1985	0	631489	1040324	131037	7000544	363041	230296	41935	1305276
SMELTING & REFINING	1980	0	29374691	276761	24105	85851	1220843	18588608	82504	50463576
	1981	0	36547523	374403	15915	186677	1429667	19502903	114596	55160549
SIC 2950	1982	0	28693926	45954	0	94818	3506084	11314349	142615	29714261
	1983	0	33515550	44113	0	118922	894793	17177747	227529	38490844
	1984	0	37502149	84139	0	147341	1491358	17657940	257295	49594581
	1985	0	41779810	79580	0	205299	1354053	9259602	191921	56291835
CLAY PRODUCTS MANUF.	1980	0	7068025	59460	60195	223653	471174	0	268645	1371625
	1981	0	9138303	139827	7027	308630	592833	0	89331	1943517
SIC 3510	1982	0	7738345	75459	3455	362077	615721	0	78220	1853506
	1983	0	12247738	85108	2321	469862	686455	0	104467	2193938
	1984	0	13577781	67830	0	446981	577708	0	120473	2516553
	1985	0	12040830	58213	0	443588	127146	0	100770	1813274

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO. 1	DIESEL OIL	LIGHT FUEL OIL NO. 2 - 3	HEAVY FUEL OIL NO. 4,5-6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		$	$	$	$	$	$	$	$	$
CEMENT MANUFACTURERS	1980	12241928	10231159	77191	24590	618020	217106	7522686	15098	12343839
	1981	18688449	10848681	100307	1283	939004	374858	6333950	18883	14033355
SIC 3520	1982	20376991	9088615	91749	803	874241	313392	3067768	29991	13798068
	1983	19286487	7544562	85704	861	582423	296170	2768052	54645	14438896
	1984	23326575	8451778	98216	726	631314	524627	2938060	56020	17333984
	1985	31166125	8799205	89374	746	675875	225671	4410979	58092	20703566
LIME MANUFACTURERS	1980	2348175	11085256	31249	597	138011	17572	5399401	0	1614332
	1981	4715518	19235077	64057	0	484469	25051	3920046	5301	2368367
SIC 3580	1982	5632592	17237820	74283	0	614209	26523	2257537	5503	2181574
	1983	7384579	19599227	45925	0	427235	17430	187083	3014	2318498
	1984	7547332	20716361	44661	0	322135	28771	1030649	4522	2477541
	1985	9590131	18246554	81340	0	528356	31230	872408	32854	3278911
GRAND TOTAL FOR ALL SIC'S	1980	18218514	75032376	3210027	529420	14209542	6155349	40526539	6047825	125583587
	1981	26488859	96678855	4576727	711074	23109556	8043734	42243174	7229766	140273753
	1982	28463336	84140894	3942462	890920	20860125	8561345	30227888	8678920	119911287
	1983	30184751	97524339	3573722	464731	21276940	5894556	34938638	7222375	145202530
	1984	33911317	106639249	3565287	513786	26038650	5947440	39441371	8260210	176624575
	1985	43912431	125549488	3977851	421254	29915940	5890296	28756905	5825135	205219320

NOTE: 1979 & PREVIOUS YEARS SAND&GRAVEL & STONE STATS ARE ESTIMATES OF S&G & S INDUSTRIES AND ARE NOT RELIABLE. 1980 AND LATER STATS INCLUDE ONLY LARGE OPERATIONS REPORTING EMPLOYMENT. THE LARGE OPERATIONS IN 1985 PRODUCED 47% OF S&G AND 79% OF LIMESTONE.
OTHER REPORTS IN THIS SERIES, FOR EXAMPLE R11, INCLUDE ALL KNOWN OPERATIONS REGARDLESS OF SIZE.

EXPLORATION, DEVELOPMENT AND PRODUCTION WORK IN THE MINERAL INDUSTRY IN ONTARIO — REPORT 5 — PAGE 1

STANDARD INDUSTRIAL CLASS	YEAR	EXPLORATION DIAMOND DRILLING	DRILLING FOR ORE & WASTE ROCK	SHAFTS	DECLINES AND ADITS	RAISES AND WINZES	DRIFTS AND CROSSCUTS
		METRE	METRE	METRE	METRE	METRE	METRE
GOLD QUARTZ MINES	1978	61193	0	0	0	5387	10981
	1979	92597	0	0	0	5890	11779
SIC 0520	1980	72805	1732927	0	65	4946	11424
	1981	108203	2082729	0	122	6705	18026
	1982	97899	2270752	24144	850	7550	20258
	1983	121792	2605984	38427	410	6509	16459
	1984	139539	2213786	33934	683	8331	16754
	1985	108598	2748397	2106	2098	8339	27714
URANIUM MINES	1978	55294	0	0	0	9438	27801
	1979	58061	0	0	0	10832	36944
SIC 0570	1980	55385	5850397	0	6780	8970	36490
	1981	57334	4099021	0	5691	1844	36568
	1982	52343	7342400	0	2713	7674	69773
	1983	40984	5448638	0	1130	6895	59947
	1984	50527	8475054	0	1139	7861	61116
	1985	41659	8161099	0	1899	9623	68929
IRON MINES	1978	16711	0	0	0	1175	3748
	1979	10503	0	0	0	1269	4567
SIC 0580	1980	0	430086	3635	2598	799	31
	1981	11208	433150	4689	2743	542	0
	1982	9139	312124	3529	1504	562	0
	1983	32	236025	2531	866	433	0
	1984	660	372230	3302	1034	512	0
	1985	5295	292674	2889	382	552	0
COPPER-GOLD-SILVER M	1978	28338	0	0	0	4685	12098
	1979	51559	0	0	0	4904	15660
SIC 0591	1980	74535	1287495	1	1701	7066	15559
	1981	74159	1632800	94	2238	7326	20241
	1982	50918	1349811	488	447	7430	20799
	1983	64760	1161428	3	845	6652	19563
	1984	100530	1108136	325	89	8710	22856
	1985	59848	1159451	517	2	8800	24028

NOTE: EXPLORATION DIAMOND DRILLING INCLUDE "ON PROPERTY" EXPLORATION, TESTING AND ORE OUTLINE DRILLING.

NOTE: IN 1980 AND LATER YEARS THE DRILLING STATISTICS ARE REPORTED IN TWO CATEGORIES(EXPLORATION & ORE PRODUCTION) BUT IN PREVIOUS YEARS ONLY EXPLORATION DIAMOND DRILLING IS REPORTED.

SL R5.DAT February 3, 1987

STANDARD INDUSTRIAL CLASS	YEAR	EXPLORATION DIAMOND DRILLING	DRILLING FOR ORE & WASTE ROCK	SHAFTS	DECLINES AND ADITS	RAISES AND WINZES	DRIFTS AND CROSSCUTS
		METRE	METRE	METRE	METRE	METRE	METRE
NICKEL-COPPER MINES	1978	94222	0	0	0	5144	17774
	1979	94215	0	0	0	4408	17876
SIC 0592	1980	140851	10157142	582	5953	7086	29499
	1981	139186	9553242	0	6913	4318	27585
	1982	81651	4498125	0	3198	1958	12785
	1983	62739	5543192	0	4248	2154	31480
	1984	105806	7284273	258	5425	4805	57538
	1985	99387	7633473	318	7074	3948	56355
SILVER-COBALT MINES	1978	22584	0	0	0	221	468
	1979	18072	0	0	0	33	275
SIC 0593	1980	11088	207380	0	0	293	1328
	1981	21329	172528	0	0	257	1378
	1982	24535	161097	0	0	438	2248
	1983	38453	158959	0	0	853	1177
	1984	37389	181625	0	0	654	2288
	1985	30489	93713	0	0	380	992
PEAT BOG	1979						
	1980						
SIC 0720	1981						
	1982						
	1983						
	1984						
	1985						
GYPSUM MINES	1979						
	1980	430	83045	0	0	0	0
SIC 0730	1981	0	113891	0	0	0	0
	1982	0	175000	0	0	0	0
	1983	782	381812	0	0	0	0
	1984	489	788574	0	0	0	0
	1985	521	731820	0	0	0	0

EXPLORATION, DEVELOPMENT AND PRODUCTION WORK IN THE MINERAL INDUSTRY IN ONTARIO REPORT 5 PAGE 3

STANDARD INDUSTRIAL CLASS	YEAR	EXPLORATION DIAMOND DRILLING	DRILLING FOR ORE & WASTE ROCK	SHAFTS	DECLINES AND ADITS	RAISES AND WINZES	DRIFTS AND CROSSCUTS
		METRE	METRE	METRE	METRE	METRE	METRE
TALC & SOAPSTONE M	1979						
	1980	0	0	0	0	18	31
SIC 0791	1981	1327	0	0	40	0	0
	1982	3123	0	0	0	0	14
	1983	28	1050	0	0	0	21
	1984	1846	1100	0	0	0	81
	1985	0	0	0	0	0	0
FELDSPAR & QUARTZ M	1979						
	1980	798	78723	0	0	0	0
SIC 0792	1981	1008	98070	0	0	0	0
	1982	0	48755	0	0	0	0
	1983	183	80307	0	0	0	0
	1984	2347	112092	0	0	0	0
	1985	1064	81670	0	0	0	0
SALT MINES	1979						
	1980	0	4	0	0	0	0
SIC 0793	1981	0	0	0	0	0	0
	1982	0	9	0	0	0	0
	1983	0	0	0	0	0	0
	1984	0	0	0	0	0	0
	1985	0	0	0	0	0	0
MISC. NON-METAL M	1979						
	1980	0	0	0	0	0	0
SIC 0799	1981	355	732	0	457	0	0
	1982	0	408	0	0	0	0
	1983	0	700	0	0	0	0
	1984	0	500	0	0	0	0
	1985	0	400	0	0	0	0

EXPLORATION, DEVELOPMENT AND PRODUCTION WORK IN THE MINERAL INDUSTRY IN ONTARIO REPORT 5 PAGE 4

STANDARD INDUSTRIAL CLASS	YEAR	EXPLORATION DIAMOND DRILLING	DRILLING FOR ORE & WASTE ROCK	SHAFTS	DECLINES AND ADITS	RAISES AND WINZES	DRIFTS AND CROSSCUTS
		METRE	METRE	METRE	METRE	METRE	METRE
GRAND TOTAL FOR ALL SIC'S	1978	278342	0	0	0	26030	72870
	1979	325007	0	0	0	27394	86801
	1980	355492	19825179	4218	17097	29156	94362
	1981	412109	18186163	4783	18204	20990	101776
	1982	319608	16158479	28161	8710	25610	125855
	1983	329733	15578095	40961	7497	23496	128627
	1984	438913	20535370	37819	8370	28873	160611
	1985	346841	20882397	5828	11453	31622	178018

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COST OF ALL PHYSICAL WORK AND SURVEYS PERFORMED IN THE PROVINCE OF ONTARIO 1985

REPORT 5X PAGE 1

1 OUTSIDE OR GENERAL EXPLORATION

TYPE OF MINERAL SOUGHT	DIAMOND DRILLING $	GEO-CHEMICAL $	GEOLOGY $	GEO-PHYSICAL $	AIRBORNE GEOPHYSICAL $	ROCK WORKS $	OTHER WORKS $	TOTAL $
GOLD ONLY	25208840	2533583	6424382	3879883	550888	6003828	9531983	54132609
GOLD & OTHER METALS (INCL.SILVER)	5878022	1805878	2139630	918580	58773	2834387	2771137	16207487
SILVER ONLY	243655	5133	18321	10111	0	905	13216	289341
SILVER & OTHER METALS (EXCL.GOLD)	1065213	113115	422856	240853	0	36680	492940	2371957
BASE METALS	3141186	331447	841841	854802	120298	39210	474961	5802745
URANIUM	0	0	0	0	0	0	442	442
NON-METALS	390937	92513	158075	1583	0	53728	117147	813983
PLATINUM GROUP METALS	151134	20108	86982	18186	0	48738	151286	454382
DIAMONDS	67058	652801	18299	28866	0	0	335907	1102530
TUNGSTEN	30451	0	2888	0	0	0	1435	34574
TITANIUM	125645	0	2000	3000	4000	0	0	134645
NIOBIUM	0	1264	32285	0	0	0	0	33549
TOTAL	36301941	5555742	10125339	5953523	734780	8817488	13890434	81379184

2 MINE OR ON-PROPERTY EXPLORATION

TYPE OF MINERAL SOUGHT	DIAMOND DRILLING $	GEO-CHEMICAL $	GEOLOGY $	GEO-PHYSICAL $	AIRBORNE GEOPHYSICAL $	ROCK WORKS $	OTHER WORKS $	TOTAL $
GOLD ONLY	2392589	41742	106233	27204	0	585687	531352	3684817
GOLD & OTHER METALS (INCL.SILVER)	289470	0	30000	0	0	2181991	1674	2503135
SILVER ONLY	890096	24120	5681	0	0	0	17150	937067
BASE METALS	3510948	3100	8700	25400	0	1127284	10200	4683632
NON-METALS	84042	15000	0	0	0	0	10000	109042
TOTAL	7167156	83962	148624	52604	0	3894962	570376	11917683

COST OF ALL PHYSICAL WORK AND SURVEYS REPORT 5X PAGE 2
PERFORMED IN THE PROVINCE OF ONTARIO
1985

3 MINE OR ON-PROPERTY DEVELOPMENT

	DIAMOND DRILLING $	SHAFT $	DRIFTS CROSS-CUTS $	RAISES DECLINES $	STRIPPING $	OTHER WORKS $	TOTAL $
GOLD ONLY	4150560	29431349	22015108	12118758	250000	4912528	72878301
GOLD & OTHER METALS (INCL. SILVER)	300749	0	5853335	1847686	0	0	7801739
SILVER ONLY	173794	0	18513	1114504	0	80903	1385714
BASE METALS	1826702	2121553	15313138	3980335	12982858	17581255	53785841
URANIUM	963547	0	39856959	10558372	0	3891753	55270631
NON-METALS	15000	0	0	0	53361	27000	95361
TOTAL	7430352	31552902	82855051	29619624	13286219	28473439	191217587
GRAND TOTAL							284514464

TOTALS OF EXPLORATION AND DEVELOPMENT COSTS

DIAMOND DRILLING	$ 50,899,448
GEOCHEMICAL	5,639,704
GEOLOGY	10,273,963
GEOPHYSICAL	6,006,127
AIRBORNE GEOPHYSICAL	734,760
ROCK WORKS	12,712,417
SHAFT	31,552,902
DRIFTS AND CROSSCUTS	82,855,051
RAISES AND DECLINES	29,619,624
STRIPPING	13,286,219
OTHER WORKS	40,934,249
GRAND TOTAL	$ 284,514,464

NOTE: THIS REPORT, 5X, COVERS EXPLORATION WORK REPORTED IN ONTARIO WHILE REPORT 5 COVERS WORK BY THE MINES ONLY.

NOTE: SOME EXPLORATION COMPANIES REPORTED THAT THEY WERE SEARCHING FOR 'GOLD & OTHER METALS' NOT JUST 'GOLD ONLY'. THE COSTS IDENTIFIED IN THE 'GOLD ONLY' ROW OF DATA ARE NOT INCLUDED IN THE 'GOLD & OTHER METALS' ROW OF DATA.

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COST OF ALL PHYSICAL WORK AND SURVEYS
PERFORMED IN THE PROVINCE OF ONTARIO
1984

REPORT 5X PAGE 1

1 OUTSIDE OR GENERAL EXPLORATION

TYPE OF MINERAL SOUGHT	DIAMOND DRILLING $	GEO-CHEMICAL $	GEOLOGY $	GEO-PHYSICAL $	AIRBORNE GEOPHYSICAL $	OTHER WORKS $	TOTAL $
GOLD ONLY	19554774	1738917	4518328	2748880	643565	11105982	4030624
GOLD & OTHER METALS (INCL.SILVER)	2229062	317391	838746	453159	139751	2051334	602944
SILVER ONLY	413489	560	98171	15080	0	111816	63911
SILVER & OTHER METALS (EXCL.GOLD)	78997	11531	3051	94050	0	87768	27539
BASE METALS	2589554	432385	1007547	347779	239318	784470	540105
NON-METALS	84000	0	0	0	0	0	8400
TANTALUM,NIOBIUM	0	1564	1807	0	0	0	337
MOLYBDENUM	0	0	0	0	0	3824	3824
TUNGSTEN,TIN	98432	0	104689	7500	0	86939	29756
TITANIUM	0	0	4398	0	0	1206	5604
DIAMONDS	15403	723906	60	155138	300388	186249	1381140
VARIOUS METALS	27900	187800	403200	40500	28000	759000	1446400
TOTAL	25091611	3412054	6979997	3859884	1351018	15178388	55872952

2 MINE OR ON-PROPERTY EXPLORATION

TYPE OF MINERAL SOUGHT	DIAMOND DRILLING $	GEO-CHEMICAL $	GEOLOGY $	GEO-PHYSICAL $	AIRBORNE GEOPHYSICAL $	OTHER WORKS $	TOTAL $
GOLD ONLY	1711082	3000	419787	19500	0	1318574	3469933
GOLD & OTHER METALS (INCL.SILVER)	840576	7483	59641	87234	0	0	994934
SILVER ONLY	2130922	0	0	0	0	0	2130922
BASE METALS	1074418	22800	184806	42800	0	1224371	2526995
NON-METALS	77000	2000	15000	0	0	76654	170654
IRON	17500	0	0	0	0	0	17500
TOTAL	5851508	35283	659214	149334	0	2617599	9312938

COST OF ALL PHYSICAL WORK AND SURVEYS
PERFORMED IN THE PROVINCE OF ONTARIO
1984

D MINE OR ON-PROPERTY DEVELOPMENT

	DIAMOND DRILLING $	SHAFT $	DRIFTS CROSS-CUTS $	RAISES DECLINES $	STRIPPING $	OTHER WORKS $	TOTAL $
GOLD	11124173	50452632	11439872	5314276	10494000	1791379	90616332
SILVER	0	0	1824906	456302	0	0	2281208
BASE METALS	1235534	7276239	14224567	3527300	0	11691634	37955274
IRON	0	0	0	0	6067144	0	6067144
URANIUM	2451224	0	48936734	8810060	0	0	60198018
NON-METALS	12000	0	7724915	0	208377	33000	7978292
TOTAL	14822931	57728871	84150994	18107938	16769521	13516013	205098268
GRAND TOTAL							270282158

TOTALS OF EXPLORATION AND DEVELOPMENT COSTS

DIAMOND DRILLING	$ 45,766,050
GEOCHEMICAL	3,447,337
GEOLOGY	7,839,211
GEOPHYSICAL	4,009,218
AIRBORNE GEOPHYSICAL	1,351,018
SHAFT	57,728,871
DRIFTS AND CROSSCUTS	84,150,994
RAISES AND DECLINES	18,107,938
STRIPPING	16,769,521
OTHER WORKS	31,312,000
GRAND TOTAL	$ 270,282,158

NOTE: THIS REPORT, 5X, COVERS ALL EXPLORATION WORK DONE IN ONTARIO WHILE REPORT 5 COVERS JUST WORK BY THE MINES.

NOTE: SOME EXPLORATION COMPANIES REPORTED THAT THEY WERE SEARCHING FOR 'GOLD & OTHER METALS' NOT JUST 'GOLD ONLY'. THE COSTS IDENTIFIED IN THE 'GOLD ONLY' ROW OF DATA ARE NOT INCLUDED IN THE 'GOLD & OTHER METALS' ROW OF DATA.

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SMELTING OF METALLIC MINERALS MINED IN ONTARIO

MINERAL COMMODITY	YEAR	UNIT OF VOLUME	ONT MINE PRODUCTION	ONT MINE PRODUCTION SMELTED IN ONTARIO	ONT MINE PRODUCTION SMELTED IN ONTARIO AS A % OF ONT MINE PRODUCTION	ONT MINE PRODUCTION SMELTED IN OTHER PROVINCES	ONT MINE PRODUCTION SMELTED IN OTHER PROVINCES AS A % OF ONT MINE PRODUCTION	ONT MINE PRODUCTION SMELTED OUTSIDE OF CANADA	ONT MINE PRODUCTION SMELTED OUTSIDE OF CANADA AS A % OF ONT MINE PRODUCTION
					%		%		%
CADMIUM	1978	TONNE	518	317	61.2	130	25.1	71	13.7
	1979		673	493	73.3	151	22.4	29	4.3
	1980		779	467	59.9	225	28.9	87	11.2
	1981		609	483	79.3	91	14.9	35	5.7
	1982		549	460	83.8	82	14.9	7	1.3
	1983		668	429	64.2	229	34.3	10	1.5
	1984		834	623	74.7	208	24.9	4	.5
	1985		848	626	73.8	223	26.3	0	0
CALCIUM	1978	TONNE	575	575	100.0	0	0	0	0
	1979		456	456	100.0	0	0	0	0
	1980		531	531	100.0	0	0	0	0
	1981		469	469	100.0	0	0	0	0
	1982		329	329	100.0	0	0	0	0
	1983		399	399	100.0	0	0	0	0
	1984		515	515	100.0	0	0	0	0
	1985		739	739	100.0	0	0	0	0
COBALT	1978	TONNE	907	907	100.0	0	0	0	0
	1979		1278	1278	100.0	0	0	0	0
	1980		1686	1686	100.0	0	0	0	0
	1981		1831	1831	100.0	0	0	0	0
	1982		966	966	100.0	0	0	0	0
	1983		1025	1025	100.0	0	0	0	0
	1984		1614	1614	100.0	0	0	0	0
	1985		1731	1731	100.0	0	0	0	0
COPPER	1978	TONNE	197093	99229	50.3	96929	49.2	935	.5
	1979		192946	83805	43.4	108833	56.4	308	.2
	1980		245024	146582	59.8	97900	40.0	542	.2
	1981		226365	136290	60.2	89196	39.4	899	.4
	1982		157849	86476	54.8	70763	44.8	610	.4
	1983		226796	150478	66.3	75981	33.5	337	.1
	1984		292423	218495	74.7	66773	22.8	7155	2.4
	1985		278540	213565	76.7	61188	22.0	3787	1.4
GOLD	1978	G	21805000	18483000	84.8	2231000	10.2	1091000	5.0

SMELTING OF METALLIC MINERALS MINED IN ONTARIO

MINERAL COMMODITY	YEAR	UNIT OF VOLUME	ONT. MINE PRODUCTION	ONT. MINE PRODUCTION SMELTED IN ONTARIO	ONT. MINE PRODUCTION SMELTED IN ONTARIO AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION SMELTED IN OTHER PROVINCES	ONT. MINE PRODUCTION SMELTED IN OTHER PROVINCES AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION SMELTED OUTSIDE OF CANADA	ONT. MINE PRODUCTION SMELTED OUTSIDE OF CANADA AS A % OF ONT. MINE PRODUCTION
					%		%		%
GOLD	1979		19173000	16685000	87.0	2041000	10.6	447000	2.3
	1980		18498000	15537000	84.0	1780000	9.6	1180000	6.4
	1981		18308000	15527000	84.8	1488000	8.1	1293000	7.1
	1982		20136000	17707000	87.9	1758000	8.7	671000	3.3
	1983		23260000	20650000	88.8	1708000	7.3	902000	3.9
	1984		27821000	21479000	77.2	3026000	10.9	3316000	11.9
	1985		31600000	26598000	84.2	1823000	5.8	3179000	10.1
IRON ORE	1978	TONNE	9600001	7163884	74.6	0	.0	2436117	25.4
	1979		7874938	6554647	83.2	0	.0	1320291	16.8
	1980		6569132	5449228	83.0	0	.0	1119904	17.0
	1981		5394620	5365708	99.5	0	.0	28912	.5
	1982		3650257	3593517	98.4	0	.0	56740	1.6
	1983		3815699	3641085	95.4	0	.0	174614	4.6
	1984		4550660	4550660	100.0	0	.0	0	.0
	1985		4327584	4327158	100.0	0	.0	426	.0
LEAD	1978	TONNE	7060	262	3.7	1898	26.9	4900	69.4
	1979		6969	485	7.0	5271	75.6	1213	17.4
	1980		8960	392	4.4	5535	61.8	3032	33.8
	1981		3384	1267	37.4	132	3.9	1984	58.6
	1982		5697	3238	56.8	456	8.0	2003	35.2
	1983		6544	2502	38.2	4042	61.8	0	.0
	1984		8931	5104	57.1	322	3.6	3505	39.2
	1985		3819	2333	61.1	250	6.5	1236	32.4
MAGNESIUM	1978	TONNE	8311	8311	100.0	0	.0	0	.0
	1979		9015	9015	100.0	0	.0	0	.0
	1980		9252	9252	100.0	0	.0	0	.0
	1981		8548	8548	100.0	0	.0	0	.0
	1982		7630	7630	100.0	0	.0	0	.0
	1983		5980	5980	100.0	0	.0	0	.0
	1984		7588	7588	100.0	0	.0	0	.0
	1985		8446	8446	100.0	0	.0	0	.0
NICKEL	1978	TONNE	93477	93477	100.0	0	.0	0	.0
	1979		88445	88445	100.0	0	.0	0	.0

SMELTING OF METALLIC MINERALS MINED IN ONTARIO

REPORT 6A PAGE 3

MINERAL COMMODITY	YEAR	UNIT OF VOLUME	ONT MINE PRODUCTION	ONT MINE PRODUCTION SMELTED IN ONTARIO	ONT MINE PRODUCTION SMELTED IN ONTARIO AS A % OF ONT MINE PRODUCTION	ONT MINE PRODUCTION SMELTED IN OTHER PROVINCES	ONT MINE PRODUCTION SMELTED IN OTHER PROVINCES AS A % OF ONT MINE PRODUCTION	ONT MINE PRODUCTION SMELTED OUTSIDE OF CANADA	ONT MINE PRODUCTION SMELTED OUTSIDE OF CANADA AS A % OF ONT MINE PRODUCTION
					%		%		%
NICKEL	1980		145607	145607	100.0	0	0	0	.0
	1981		130269	130269	100.0	0	.0	0	0
	1982		63956	63956	100.0	0	0	0	0
	1983		88292	88292	100.0	0	.0	0	0
	1984		132442	132442	100.0	0	0	0	0
	1985		131035	131035	100.0	0	0	0	0
PLATINUM GROUP	1978	KG	10888	10509	96.5	379	3.5	0	0
	1979		6157	5762	93.6	395	6.4	0	0
	1980		12776	12394	97.0	382	3.0	0	0
	1981		11905	11737	98.6	168	1.4	0	0
	1982		7105	7025	98.9	80	1.1	0	0
	1983		6964	6964	100.0	0	0	0	0
	1984		10245	10245	100.0	0	.0	0	0
	1985		11594	11594	100.0	0	0	0	0
SILVER	1978	KG	444361	77029	17.3	319324	71.9	48008	10.8
	1979		411940	55683	13.5	331308	80.4	24949	6.1
	1980		461027	79997	17.4	324453	70.4	56577	12.3
	1981		328779	72158	21.9	196699	59.8	59924	18.2
	1982		346974	93030	26.8	175400	50.6	78544	22.6
	1983		414696	75369	18.2	290548	70.1	48779	11.8
	1984		516526	105695	20.5	332339	64.3	78492	15.2
	1985		430094	190599	44.3	205212	47.7	34283	8.0
ZINC	1978	TONNE	277461	72840	26.3	32993	11.9	171628	61.9
	1979		289356	105763	36.6	85896	29.7	97697	33.8
	1980		253329	101483	40.1	78959	31.2	72887	28.8
	1981		246031	109184	44.4	74758	30.4	62089	25.2
	1982		260544	105628	40.5	83446	32.0	71470	27.4
	1983		274819	99547	36.2	100952	36.7	74320	27.0
	1984		294131	121626	41.4	90840	30.9	81665	27.8
	1985		266938	127731	47.9	79707	29.9	59500	22.3

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REFINING OF METALLIC MINERALS MINED IN ONTARIO

REPORT 68 PAGE 1

MINERAL COMMODITY	YEAR	UNIT OF VOLUME	ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED IN ONTARIO	ONT. MINE PRODUCTION REFINED IN ONTARIO AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED IN OTHER PROVINCES	ONT. MINE PRODUCTION REFINED IN OTHER PROVINCES AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED OUTSIDE OF CANADA	ONT. MINE PRODUCTION REFINED OUTSIDE OF CANADA AS A % OF ONT. MINE PRODUCTION
					%		%		%
CADMIUM	1978	TONNE	518	317	61.2	130	25.1	71	13.7
	1979		673	493	73.3	151	22.4	29	4.3
	1980		779	467	59.9	225	28.9	87	11.2
	1981		609	483	79.3	91	14.9	35	5.7
	1982		549	460	83.8	82	14.9	7	1.3
	1983		668	429	64.2	229	34.3	10	1.5
	1984		834	623	74.7	208	24.9	4	.5
	1985		848	626	73.8	223	26.3	0	.0
CALCIUM	1978	TONNE	575	575	100.0	0	.0	0	.0
	1979		456	456	100.0	0	.0	0	.0
	1980		531	531	100.0	0	.0	0	.0
	1981		469	469	100.0	0	.0	0	.0
	1982		329	329	100.0	0	.0	0	.0
	1983		399	399	100.0	0	.0	0	.0
	1984		515	515	100.0	0	.0	0	.0
	1985		739	739	100.0	0	.0	0	.0
COBALT	1978	TONNE	907	428	47.2	0	.0	479	52.8
	1979		1278	426	33.3	0	.0	0	.0
	1980		1686	781	46.3	0	.0	905	53.7
	1981		1831	785	42.9	0	.0	1046	57.1
	1982		966	400	41.4	0	.0	566	58.6
	1983		1025	326	31.8	0	.0	698	68.1
	1984		1614	859	53.2	0	.0	755	46.8
	1985		1731	934	54.0	0	.0	798	46.1
COPPER	1978	TONNE	197093	85252	43.3	96929	49.2	14912	7.6
	1979		192946	63981	33.2	108833	56.4	20132	10.4
	1980		245024	122299	49.9	97900	40.0	24825	10.1
	1981		226385	114037	50.4	89196	39.4	23152	10.2
	1982		157849	73715	46.7	70763	44.8	13371	8.5
	1983		226796	128229	56.5	75981	33.5	22586	10.0
	1984		292423	190298	65.1	66773	22.8	35352	12.1
	1985		278540	188239	67.6	61188	22.0	29113	10.5
GOLD	1978	G	21805000	18483000	84.8	2231000	10.2	1091000	5.0

MINERAL COMMODITY	YEAR	UNIT OF VOLUME	ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED IN ONTARIO	ONT. MINE PRODUCTION REFINED IN ONTARIO AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED IN OTHER PROVINCES	ONT. MINE PRODUCTION REFINED IN OTHER PROVINCES AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED OUTSIDE OF CANADA	ONT. MINE PRODUCTION REFINED OUTSIDE OF CANADA AS A % OF ONT. MINE PRODUCTION
					%		%		%
GOLD	1979		19173000	16685000	87.0	2041000	10.6	447000	2.3
	1980		18498000	15537000	84.0	1780000	9.6	1180000	6.4
	1981		18308000	15527000	84.8	1488000	8.1	1293000	7.1
	1982		20136000	17707000	87.9	1758000	8.7	671000	3.3
	1983		23260000	20650000	88.8	1708000	7.3	902000	3.9
	1984		27821000	21479000	77.2	3026000	10.9	3316000	11.9
	1985		31600000	26598000	84.2	1823000	5.8	3179000	10.1
IRON ORE	1978	TONNE	9600001	7163884	74.6	0	.0	2436117	25.4
	1979		7874938	6554647	83.2	0	.0	1320291	16.8
	1980		6569132	5449228	83.0	0	.0	1119904	17.0
	1981		5394620	5365708	99.5	0	.0	28912	.5
	1982		3650257	3593517	98.4	0	.0	56740	1.6
	1983		3815699	3641085	95.4	0	.0	174614	4.6
	1984		4550660	4550660	100.0	0	.0	0	.0
	1985		4327584	4327158	100.0	0	.0	426	.0
LEAD	1978	TONNE	7060	0	.0	1898	26.9	5162	73.1
	1979		6969	0	.0	5271	75.6	1698	24.4
	1980		8960	0	.0	5535	61.8	3425	38.2
	1981		3384	0	.0	132	3.9	3251	96.1
	1982		5697	0	.0	456	8.0	5241	92.0
	1983		6544	0	.0	4042	61.8	2502	38.2
	1984		8931	0	.0	322	3.6	8609	96.4
	1985		3819	0	.0	250	6.5	3569	93.5
MAGNESIUM	1978	TONNE	8311	8311	100.0	0	.0	0	.0
	1979		9015	9015	100.0	0	.0	0	.0
	1980		9252	9252	100.0	0	.0	0	.0
	1981		8548	8548	100.0	0	.0	0	.0
	1982		7630	7630	100.0	0	.0	0	.0
	1983		5980	5980	100.0	0	.0	0	.0
	1984		7588	7588	100.0	0	.0	0	.0
	1985		8446	8446	100.0	0	.0	0	.0
NICKEL	1978	TONNE	93477	59406	63.6	191	.2	37866	40.5
	1979		88445	47830	53.9	251	.3	41731	47.2

MINERAL COMMODITY	YEAR	UNIT OF VOLUME	ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED IN ONTARIO	ONT. MINE PRODUCTION REFINED IN ONTARIO AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED IN OTHER PROVINCES	ONT. MINE PRODUCTION REFINED IN OTHER PROVINCES AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED OUTSIDE OF CANADA	ONT. MINE PRODUCTION REFINED OUTSIDE OF CANADA AS A % OF ONT. MINE PRODUCTION
					%		%		%
NICKEL	1980		145807	96814	66.5	3718	2.6	47643	32.7
	1981		130269	77389	59.4	1920	1.5	52879	40.6
	1982		63956	42035	65.7	27	.0	22518	35.2
	1983		88292	53205	60.3	70	.1	38532	43.6
	1984		132442	77138	58.2	83	.1	55653	42.0
	1985		131035	74057	56.5	828	.6	57191	43.6
PLATINUM GROUP	1978	KG	10888	0	.0	0	.0	10888	100.0
	1979		8157	0	.0	0	.0	8157	100.0
	1980		12776	0	.0	0	.0	12776	100.0
	1981		11905	0	.0	0	.0	11905	100.0
	1982		7105	0	.0	0	.0	7105	100.0
	1983		6964	0	.0	0	.0	6964	100.0
	1984		10245	0	.0	0	.0	10245	100.0
	1985		11594	0	.0	0	.0	11594	100.0
SILVER	1978	KG	444361	71847	16.2	319324	71.9	53190	12.0
	1979		411940	45124	11.0	331308	80.4	35508	8.6
	1980		461027	71029	15.4	324453	70.4	65545	14.2
	1981		328779	60733	18.5	196699	59.8	71347	21.7
	1982		346974	92444	26.6	175400	50.6	79130	22.8
	1983		414696	67978	16.4	290548	70.1	56170	13.5
	1984		516526	105695	20.5	332339	64.3	78492	15.2
	1985		430094	190599	44.3	205212	47.7	34283	8.0
ZINC	1978	TONNE	277461	72840	26.3	32993	11.9	171628	61.9
	1979		289356	105783	36.6	85896	29.7	97697	33.8
	1980		253329	101483	40.1	78959	31.2	72887	28.8
	1981		246031	109184	44.4	74758	30.4	62089	25.2
	1982		260544	105628	40.5	83446	32.0	71470	27.4
	1983		274819	99547	36.2	100952	36.7	74320	27.0
	1984		294131	121626	41.4	90840	30.9	81665	27.8
	1985		266938	127731	47.9	79707	29.9	59500	22.3

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MINING CLAIMS AND PROSPECTOR'S LICENCES

YEAR	MINING DIVISION	MINING CLAIMS RECORDED	MINING CLAIMS CANCELLED	MINING CLAIMS GOOD STANDING	PROSPECTOR'S LICENCES ISSUED	PROSPECTOR'S LICENCES RENEWED
1978	EASTERN ONTARIO	1058	1296	2192	350	908
	KENORA	808	1357	2300	28	52
	LARDER LAKE	1710	2065	5348	110	197
	PATRICIA	2018	765	5094	24	47
	PORCUPINE	3623	4429	8126	127	205
	RED LAKE	1207	1521	3916	41	59
	SAULT STE MARIE	724	1892	2633	61	80
	SUDBURY	645	1773	2519	92	174
	THUNDER BAY	3517	1982	6612	130	215
1978	ONTARIO TOTAL	15310	17080	38740	963	1937
1979	EASTERN ONTARIO	539	805	1888	468	741
	KENORA	984	1357	2119	48	52
	LARDER LAKE	4261	1452	8157	220	201
	PATRICIA	1012	1061	4899	33	40
	PORCUPINE	3975	2504	9597	172	195
	RED LAKE	1065	1763	3189	41	60
	SAULT STE MARIE	542	905	2270	64	68
	SUDBURY	694	720	2430	120	143
	THUNDER BAY	3099	2139	7554	155	200
1979	ONTARIO TOTAL	16171	12706	42103	1321	1700
1980	EASTERN ONTARIO	548	721	1699	737	1011
	KENORA	1877	788	3208	89	54
	LARDER LAKE	6299	1834	12622	271	275
	PATRICIA	3485	1391	7068	49	49
	PORCUPINE	10742	1778	18753	273	268
	RED LAKE	2220	1115	4301	62	75
	SAULT STE MARIE	1254	1059	2465	101	80
	SUDBURY	1948	737	3569	180	168
	THUNDER BAY	5527	1836	11245	291	283
1980	ONTARIO TOTAL	33900	11259	64930	2053	2263

MINING CLAIMS AND PROSPECTOR'S LICENCES

YEAR	MINING DIVISION	MINING CLAIMS RECORDED	MINING CLAIMS CANCELLED	MINING CLAIMS GOOD STANDING	PROSPECTOR'S LICENCES ISSUED	PROSPECTOR'S LICENCES RENEWED
1981	EASTERN ONTARIO	485	758	1531	639	1115
	KENORA	2121	846	4076	83	83
	LARDER LAKE	5498	2697	15423	244	295
	PATRICIA	2861	1582	8303	72	47
	PORCUPINE	8934	2956	24731	271	308
	RED LAKE	1719	1249	4889	64	96
	SAULT STE MARIE	1474	830	3109	67	91
	SUDBURY	3087	650	6116	202	189
	THUNDER BAY	6844	4426	13663	263	231
1981	ONTARIO TOTAL	33023	15994	81841	1905	2455
1982	EASTERN ONTARIO	354	617	1115	572	1230
	KENORA	1579	1609	4046	64	78
	LARDER LAKE	3253	5218	13458	185	303
	PATRICIA	842	1766	7737	34	37
	PORCUPINE	5420	6457	23694	216	307
	RED LAKE	942	1884	3922	50	83
	SAULT STE MARIE	10027	1432	11704	64	87
	SUDBURY	671	2577	4182	178	241
	THUNDER BAY	10252	4613	19349	188	356
1982	ONTARIO TOTAL	33340	26173	89207	1551	2722
1983	EASTERN ONTARIO	391	377	1157	969	1414
	KENORA	11061	1472	13637	205	107
	LARDER LAKE	8354	3866	17946	214	375
	PATRICIA	4395	1164	10319	67	63
	PORCUPINE	11859	4967	30586	311	343
	RED LAKE	2413	1204	5130	47	76
	SAULT STE MARIE	14745	754	25695	172	210
	SUDBURY	1261	805	4439	252	238
	THUNDER BAY	15835	1537	33721	425	316
1983	ONTARIO TOTAL	70314	16146	142630	2662	3142

MINING CLAIMS AND PROSPECTOR'S LICENCES

YEAR	MINING DIVISION	MINING CLAIMS RECORDED	MINING CLAIMS CANCELLED	MINING CLAIMS GOOD STANDING	PROSPECTOR'S LICENCES ISSUED	PROSPECTOR'S LICENCES RENEWED
1984	EASTERN ONTARIO	555	498	1254	731	1696
	KENORA	3261	3042	13854	129	132
	LARDER LAKE	7943	4492	21397	208	352
	PATRICIA	5009	4074	10625	67	56
	PORCUPINE	7633	11040	27179	269	393
	RED LAKE	4344	1725	7799	59	87
	SAULT STE MARIE	1786	6642	20839	98	118
	SUDBURY	1451	1520	4508	234	252
	THUNDER BAY	8389	7206	34904	332	451
1984	ONTARIO TOTAL	40371	40239	142359	2127	3537
1985	EASTERN ONTARIO	457	360	1312	534	1731
	KENORA	2216	5195	10875	93	123
	LARDER LAKE	7588	5011	23974	157	335
	PATRICIA	2513	3972	9051	38	58
	PORCUPINE	6052	10024	23207	219	355
	RED LAKE	2673	2260	8212	67	65
	SAULT STE MARIE	1645	5229	17496	66	136
	SUDBURY	1079	1297	4358	188	240
	THUNDER BAY	4353	10222	29285	251	393
1985	ONTARIO TOTAL	28576	43570	127770	1613	3436
1986	EASTERN ONTARIO	744	426	1579	563	1551
	KENORA	4041	5054	9863	72	113
	LARDER LAKE	6973	6787	24163	213	303
	PATRICIA	7815	3046	13913	58	88
	PORCUPINE	17889	8689	33181	254	355
	RED LAKE	3803	1598	10427	53	66
	SAULT STE MARIE	2149	13883	7185	72	103
	SUDBURY	1191	1171	4396	209	225
	THUNDER BAY	15359	13900	32097	377	466
1986	ONTARIO TOTAL	60564	54554	136804	1871	3270

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ASSESSMENT WORK RECORDED (IN DAYS)

YEAR	MINING DIVISION	MANUAL LABOUR	DIAMOND DRILLING	GEOPHYSICAL SURVEY	GEOLOGICAL SURVEY	LAND SURVEY	POWER EQUIPMENT	BULLDOZER	GEOCHEMICAL SURVEY	ASSAYING	OTHER
1978	EASTERN ONTARIO	1313	10782	15028	7864	0	2541	1032	0	0	255
	KENORA	452	22299	7578	2143	24	1619	0	0	0	821
	LARDER LAKE	1583	32602	37980	8887	920	2260	1615	1040	0	256
	PATRICIA	0	33371	57501	600	3530	8	0	0	0	0
	PORCUPINE	732	38056	47333	1880	1380	315	1751	0	0	2618
	RED LAKE	330	25574	19496	2480	2080	430	0	0	607	0
	SAULT STE MARIE	8	27780	38385	1520	14	1060	0	340	0	2348
	SUDBURY	658	10062	12146	4423	1800	102	2181	480	1	40
	THUNDER BAY	476	20182	20589	6206	0	492	952	1720	0	682
1978	ONTARIO TOTAL 555,571 DAYS	5552	220708	256034	36003	9728	8827	7511	3580	608	7020
1979	EASTERN ONTARIO	311	18751	12869	5120	0	1048	318	0	13	0
	KENORA	163	9992	10658	1420	0	1145	625	0	0	164
	LARDER LAKE	2616	29713	25352	4960	80	4450	540	233	0	728
	PATRICIA	71	30869	27605	1949	195	408	0	0	0	152
	PORCUPINE	355	40850	59605	5480	560	942	447	0	0	42764
	RED LAKE	0	21108	38380	3154	80	0	0	0	0	227
	SAULT STE MARIE	27	11469	14467	658	40	108	970	0	0	690
	SUDBURY	338	9366	8234	864	120	274	0	0	45	95
	THUNDER BAY	319	11528	69612	14727	0	1748	1839	1040	0	986
1979	ONTARIO TOTAL 556,032 DAYS	4200	183646	266782	38332	1075	10123	4737	1273	58	45806
1980	EASTERN ONTARIO	892	17648	6665	2822	0	1835	120	171	99	467
	KENORA	892	15428	3149	859	12	382	502	36	0	108
	LARDER LAKE	3819	64454	115031	10981	880	5934	1345	388	50	6476
	PATRICIA	217	42633	13524	2706	10800	182	0	1052	36	546
	PORCUPINE	7447	59993	212208	5246	470	4308	369	0	482	6329
	RED LAKE	495	38482	30240	871	560	385	288	0	0	654
	SAULT STE MARIE	260	7099	4430	1496	2	186	693	0	9	1245
	SUDBURY	203	7008	5848	1020	360	759	2326	280	0	5093
	THUNDER BAY	722	53418	57483	5372	80	1006	1135	6923	0	1149
1980	ONTARIO TOTAL 867,573 DAYS	14947	306163	448578	31373	13164	14977	6778	8850	676	22067

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February 3, 1987

ASSESSMENT WORK RECORDED (IN DAYS)

YEAR	MINING DIVISION	MANUAL LABOUR	DIAMOND DRILLING	GEOPHYSICAL SURVEY	GEOLOGICAL SURVEY	LAND SURVEY	POWER EQUIPMENT	BULLDOZER	GEOCHEMICAL SURVEY	ASSAYING	OTHER
1981	EASTERN ONTARIO	333	11855	4041	4022	120	2801	220	584	38	823
	KENORA	490	26127	37624	3383	200	859	1720	203	4	2122
	LARDER LAKE	2264	69906	125459	19536	2380	9677	1141	210	322	16212
	PATRICIA	10	42588	232184	4866	5720	133	1449	914	0	72
	PORCUPINE	1809	114823	261301	23177	3110	11549	4869	904	483	50302
	RED LAKE	348	28857	63454	8183	2380	420	0	0	0	3452
	SAULT STE MARIE	430	18338	16585	1900	17	2878	487	880	87	2321
	SUDBURY	404	20452	42466	2252	22	2304	1778	120	82	9914
	THUNDER BAY	821	71288	178888	14947	80	10878	0	1336	0	2729
1981	ONTARIO TOTAL 1,815,183 DAYS	8707	404034	982002	82266	13989	41097	11334	4811	996	87947
1982	EASTERN ONTARIO	302	9546	8372	481	0	5851	733	1414	0	827
	KENORA	1074	23524	26270	5330	0	388	2553	5765	0	3554
	LARDER LAKE	3082	99520	133511	17826	1200	17455	319	1222	134	38335
	PATRICIA	48	35329	73488	13980	14770	4019	3099	7163	0	15465
	PORCUPINE	1585	91203	369970	36178	300	21885	9134	2087	543	73252
	RED LAKE	208	23987	79882	6787	0	3289	18	0	0	4878
	SAULT STE MARIE	223	2780	67833	3568	46	4663	2167	8	52	432
	SUDBURY	1047	19719	36557	7374	2	1869	2202	1128	1380	80
	THUNDER BAY	1248	133035	114805	24437	1840	9120	0	5322	0	2468
1982	ONTARIO TOTAL 1,735,836 DAYS	8783	438809	899486	118081	18180	68266	20223	24088	2078	140091
1983	EASTERN ONTARIO	211	8317	2840	3135	0	445	1805	0	24	2547
	KENORA	483	35746	42221	12006	0	1309	3905	2440	0	8287
	LARDER LAKE	4929	121212	98366	15233	200	10023	123	4940	630	49114
	PATRICIA	1080	69569	83537	23738	0	0	3762	5736	93	9708
	PORCUPINE	1528	128126	199892	44755	0	28013	910	3683	254	0
	RED LAKE	609	18672	22035	3468	0	252	225	1980	0	5986
	SAULT STE MARIE	6812	19299	624560	8142	58	2503	244	1435	182	1435
	SUDBURY	1150	17574	12676	4040	4	818	3100	385	1161	783
	THUNDER BAY	971	113555	439993	64789	4274	6816	0	24352	0	10141
1983	ONTARIO TOTAL 2,459,334 DAYS	17773	532070	1526120	179306	4536	50179	14074	44931	2344	88001

ASSESSMENT WORK RECORDED (IN DAYS)

REPORT 8 PAGE 3

YEAR	MINING DIVISION	MANUAL LABOUR	DIAMOND DRILLING	GEOPHYSICAL SURVEY	GEOLOGICAL SURVEY	LAND SURVEY	POWER EQUIPMENT	BULLDOZER	GEOCHEMICAL SURVEY	ASSAYING	OTHER
1984	EASTERN ONTARIO	120	9928	23500	322	0	1539	1184	20	37	886
	KENORA	867	38055	281359	23670	40	1290	3185	7319	0	10907
	LARDER LAKE	2397	93946	245542	44113	1240	19615	12	4894	1064	60997
	PATRICIA	224	42425	113830	24941	1880	1045	303	2812	98	17656
	PORCUPINE	1586	140864	495323	51723	0	9994	4411	9288	0	24849
	RED LAKE	327	32482	78538	12495	0	0	726	2009	53	2034
	SAUL STE MARIE	230	31388	605200	12558	9	664	1219	11459	171	29263
	SUDBURY	1201	49516	23652	3541	0	2220	951	120	909	935
	THUNDER BAY	1105	142459	551864	90108	5130	20258	0	64978	0	47076
	3,648,168 DAYS										
1984	ONTARIO TOTAL	8057	579063	2418808	283471	8299	58845	11991	102899	2332	194603
1985	EASTERN ONTARIO	335	15819	3192	650	80	939	0	880	0	3703
	KENORA	668	55090	185148	29765	1000	525	3998	6063	0	11345
	LARDER LAKE	3101	95078	276648	19517	0	13789	0	6808	502	44984
	PATRICIA	314	92051	148105	20377	1640	560	338	7423	272	16391
	PORCUPINE	741	131330	278881	34032	200	5067	2943	7866	225	42053
	RED LAKE	155	42000	200968	16642	1140	1047	0	2498	6	6180
	SAULT STE MARIE	366	45617	87248	36158	0	1122[illegible]	0	17546	0	21062
	SUDBURY	1638	25873	56894	1717	1340	1820	2922	220	13	2104
	THUNDER BAY	1841	170023	475737	85802	3160	13309	0	26208	0	35547
1985	ONTARIO TOTAL 2,948,218 DAYS	9157	672679	1712817	224658	8560	48260	10198	75512	1018	183359
1986	EASTERN ONTARIO	618	15829	3623	3843	0	923		2289	0	5476
	KENORA	195	64097	47884	9698	0	4963		4048	0	11762
	LARDER LAKE	2524	107109	399512	48264	1330	21280		1758	95	49170
	PATRICIA	349	109952	263118	29245	790	841		9207	241	15737
	PORCUPINE	1021	129932	481547	26266	0	26490		5362	205	46699
	RED LAKE	574	48325	127445	6360	440	675		3463	203	2148
	SAULT STE MARIE	105	59323	27638	18328	0	4574		13752	210	7233
	SUDBURY	2094	22017	14350	1658	60	1409		110	0	8122
	THUNDER BAY	1372	110248	281786	24770	1400	18273		7207	358	19362
1986	ONTARIO TOTAL 2,786,874 DAYS	8850	668830	1646903	188432	4020	77428		47192	1310	185709

NOTE: IN 1986 BULLDOZER AND POWER EQUIPMENT REPORTED UNDER NEW NAME 'POWER STRIPPING

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PRODUCTION OF STONE INDUSTRY REPORT 9 PAGE 1

STANDARD INDUSTRIAL CLASS		YEAR	VOLUME	VALUE
			TONNE	$
0831	GRANITE QUARRIES	1971	924931	4672792
		1972	239398	3955643
		1973	1428262	5994901
		1974	1523225	7254888
		1975	711255	6111881
		1976	1924442	12488289
		1977	1811894	12758464
		1978	2188377	15958793
		1979	1920904	19269579
		1980	1456438	21211406
		1981	1739409	23297232
		1982	1545725	23569480
		1983	1040533	26550883
		1984	1729662	32477343
		1985	2520206	36838734
0832	LIMESTONE QUARRIES	1971	24669683	33382138
		1972	27938698	36793037
		1973	30788204	46229334
		1974	29714186	52914154
		1975	26793584	55481839
		1976	26218140	58663088
		1977	27033412	64387077
		1978	35777614	85068777
		1979	37728856	93700400
		1980	34817343	101785034
		1981	35568404	102638297
		1982	26736666	86047166
		1983	31961826	110264896
		1984	38807614	139362155
		1985	42281494	164430080
0833	MARBLE QUARRIES	1971	8723	173074
		1972	8436	165366
		1973	8765	252474
		1974	8042	361620
		1975	6897	260157
		1976	7245	271620
		1977	7122	279119
		1978	2333	90741

NOTE: THE VOLUME OF STONE FROM LIMESTONE QUARRIES INCLUDES THE STONE USED IN THE PRODUCTION OF CEMENT + LIME.

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PRODUCTION OF STONE INDUSTRY REPORT 9 PAGE 2

STANDARD INDUSTRIAL CLASS		YEAR	VOLUME	VALUE
			TONNE	$
0833	MARBLE QUARRIES	1979	2924	134269
		1981	90319	643530
		1982	148486	890916
		1983	91263	4444000
		1984	105084	6275400
		1985	190344	8900167
0834	SANDSTONE QUARRIES	1971	14191	255596
		1972	19196	316550
		1973	15505	393024
		1974	15837	385538
		1975	14123	395868
		1976	15578	437592
		1977	16704	459617
		1978	11614	321301
		1979	5556	253523
		1980	3951	224461
		1981	3918	234440
		1982	4594	258593
		1983	4571	279934
		1984	6217	374769
		1985	4936	295570
0835	SHALE QUARRIES	1978	159256	182939
		1979	172752	120219
		1980	26508	168499
		1981	144296	92237
		1982	24723	18712
		1983	732312	1938585
		1984	737695	968960
		1985	857340	1192311
0836	SLATE QUARRIES	1984	330	21071
		1985	150	9548

NOTE: THE VOLUME OF STONE FROM LIMESTONE QUARRIES INCLUDES THE STONE USED IN THE PRODUCTION OF CEMENT + LIME.

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PRODUCTION OF STONE INDUSTRY REPORT 9 PAGE 3

STANDARD INDUSTRIAL CLASS	YEAR	VOLUME	VALUE
		TONNE	$
TOTAL PRODUCTION OF THE STONE INDUSTRY			
	1971	25617528	38483600
	1972	28205728	41230596
	1973	32240736	52869733
	1974	31261290	60916200
	1975	27525859	62249745
	1976	28165405	71860589
	1977	28869132	77084277
	1978	38139194	101622551
	1979	39830992	113477990
	1980	36304240	123389400
	1981	37546346	126905736
	1982	28460194	110784867
	1983	33830505	143478298
	1984	41386602	179479698
	1985	45854470	211666410

REPORT OF ALL STONE PRODUCTION
PERFORMED IN THE PROVINCE OF ONTARIO
1985

REPORT 9X

TYPE OF STONE	SOLD METRIC TONNES	SOLD VALUE	USED METRIC TONNES	USED VALUE
DIMENSIONAL STONE				
BUILDING STONE, ROUGH	167436	2205441	18030	713726
MONUMENTAL AND ORNAMENTAL STONE	2525	92870	0	0
OTHER(FLAGSTONE, ETC.)	12307	765435	0	0
TOTAL FOR DIMENSIONAL STONE	182268	3063746	18030	713726
CHEMICAL PROCESS STONE				
CEMENT PLANTS, CANADIAN	241057	743027	5577465	8330312
FLUX IN IRON AND STEEL FURNACES	1075634	4481757	0	0
FLUX IN NON_FERROUS SMELTERS	0	0	907	723630
GLASS FACTORIES	149143	2547599	0	0
LIME PLANTS, CANADIAN	482779	2563578	1558591	7687443
MG METAL PRODUCTION	2019	12080	107238	641755
PAINT BASE	3823	61253	0	0
SODA ASH PRODUCTION	0	0	548112	4501208
TOTAL FOR CHEMICAL PROCESS STONE	1954455	10409294	7792313	21884348
PULVERISED STONE				
AGRICULTURAL PURPOSES AND FERTILIZER PLANTS	263879	3814487	0	0
ASPHALT FILLER	63509	221119	0	0
OTHER MINERAL FILLERS	150539	7389607	0	0
TOTAL FOR PULVERISED STONE	477927	11425213	0	0
MISCELLANEOUS STONE				
ARMOUR & SURGE STONE	106013	674416	0	0
BRICK MANUFACTURING	0	0	810365	1158337
BRICK MIX	1561	43236	0	0
CLAY TILE PRODUCTS	0	0	46975	33974
CLEARS, SCREENINGS, MISC.	329267	1407272	0	0
DECORATIVE STONE	197	8068	0	0
GABION FILL	43565	264169	0	0
LANDFILL	37005	129147	0	0
MINE BACKFILL ROCK	0	0	617561	1840637
POULTRY GRIT	2503	156736	0	0
ROOFING GRANULES	522815	22902880	0	0
RUBBLE AND RIPRAP	235222	1201873	0	0
STUCCO DASH	920	85465	0	0
TERRAZZO CHIPS	2668	334019	0	0
TOTAL FOR MISCELLANEOUS STONE	1281736	27207281	1474901	3032948
CRUSHED STONE				
ASPHALT AGGREGATE	2347415	11400025	819703	2624265
CONCRETE AGGREGATE	2737912	12480419	499046	2109608
GENERAL CONSTRUCTION	14151631	53722811	390479	820261
GOLF COURSE SAND	58	2462	0	0
MANUFACTURED SAND	46725	288718	0	0
RAILROAD BALLAST	520785	2016184	1517881	11331150
ROAD METAL	8846658	34773356	767370	1925763
SPECIALTY AGGREGATE	27177	434832	0	0
TOTAL FOR CRUSHED STONE	28678361	115118807	3994479	18811047
GRAND TOTAL:	32574747	167224341	13279723	44442069

REPORT OF ALL STONE PRODUCTION
PERFORMED IN THE PROVINCE OF ONTARIO
1984

REPORT 9X

TYPE OF STONE	SOLD METRIC TONNES	SOLD VALUE	USED METRIC TONNES	USED VALUE
DIMENSIONAL STONE				
BUILDING STONE, ROUGH	152989	1446291	0	0
LINING OPEN HEARTH FURNACE	23105	88261	0	0
MONUMENTAL AND ORNAMENTAL STONE	10276	1038519	0	0
OTHER(FLAGSTONE, ETC.)	37052	1587120	0	0
TOTAL FOR DIMENSIONAL STONE	223422	4160191	0	0
CHEMICAL PROCESS STONE				
CEMENT PLANTS, CANADIAN	93960	233829	4787176	10926435
FLUX IN IRON AND STEEL FURNACES	890155	3610967	0	0
FLUX IN NON_FERROUS SMELTERS	143605	548571	0	0
GLASS FACTORIES	128553	2196346	0	0
LIME PLANTS, CANADIAN	458279	2428879	1576161	4298734
MG METAL PRODUCTION	100	628	106167	667047
PAINT BASE	15473	252966	0	0
SODA ASH PRODUCTION	0	0	565120	5276276
TOTAL FOR CHEMICAL PROCESS STONE	1730125	9272186	7034624	21168492
PULVERISED STONE				
AGRICULTURAL PURPOSES AND FERTILIZER PLANTS	280480	3013514	0	0
ASPHALT FILLER	1000	20000	0	0
OTHER MINERAL FILLERS	83571	4848399	0	0
WHITING	47677	152474	0	0
TOTAL FOR PULVERISED STONE	412728	8034387	0	0
MISCELLANEOUS STONE				
ARMOUR STONE	31968	117221	0	0
BRICK MANUFACTURING	0	0	704401	941960
BRICK MIX	633	16936	0	0
CLEARS, SCREENINGS, MISC.	29032	118450	0	0
CRIBSTONE	102	901	0	0
DECORATIVE STONE	252	9399	0	0
FLU LINING, SEWERPIPE	33294	27000	0	0
GABION FILL	35343	189717	0	0
MINE BACKFILL ROCK	0	0	372221	1510467
POULTRY GRIT	2579	149218	0	0
ROOFING GRANULES	280225	21893586	0	0
RUBBLE AND RIPRAP	415307	1729636	0	0
STUCCO DASH	779	92384	0	0
TOTAL FOR MISCELLANEOUS STONE	829514	24344448	1076622	2452427
CRUSHED STONE				
ASPHALT AGGREGATE	2462941	10469989	524196	1657537
CONCRETE AGGREGATE	2875075	11625768	160624	576567
GENERAL CONSTRUCTION	9490692	29616275	597303	1300239
GOLF COURSE SAND	192	7965	0	0
MANUFACTURED SAND	52816	267261	0	0
RAILROAD BALLAST	793844	3003557	978453	7429363
ROAD METAL	11494412	42714875	642807	1336926
WINTER SAND	6212	41245	0	0
TOTAL FOR CRUSHED STONE	27176184	97746935	2903383	12300632
GRAND TOTAL:	30371973	143558147	11014629	35921551

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MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1985 BY MINES IN SELECTED STANDARD INDUSTRIAL CLASSES

REPORT 10 PAGE 1

MINERAL COMMODITY		STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE
					$
BARITE	PRODUCED FROM				
		MISC. NON-METAL M	9000	TONNE	1800000
			9000		1800000
CADMIUM	PRODUCED FROM				
		COPPER-GOLD-SILVER M	848187	KG	2585741
			848187		2585741
CALCIUM	PRODUCED FROM				
		SMELTING & REFINING	738542	KG	7789402
			738542		7789402
CEMENT	PRODUCED FROM				
		CEMENT MANUFACTURERS	4043742	TONNE	265048133
			4043742		265048133
CLAY IN BRICK	PRODUCED FROM				
		CLAY PRODUCTS MANUF.	393353213	BRICK	78986070
			393353213		78986070

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM, IRIDIUM , RUTHENIUM AND OSMIUM

SL R10.DAT February 4, 1987

MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1985 BY MINES IN SELECTED STANDARD INDUSTRIAL CLASSES

MINERAL COMMODITY		STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE
					$
CLAY IN FLUE LINING	PRODUCED FROM				
		CLAY PRODUCTS MANUF.	348029	M	2995484
			348029		2995484
CLAY IN OTHER PRODCT	PRODUCED FROM				
		CLAY PRODUCTS MANUF.	N/A		2020195
			N/A		2020195
CLAY IN SEWER PIPE	PRODUCED FROM				
		CLAY PRODUCTS MANUF.	55034	M	407805
			55034		407805
CLAY IN TILE	PRODUCED FROM				
		CLAY PRODUCTS MANUF.	7061784	TILE	2244184
			7061784		2244184
COBALT	PRODUCED FROM				
		NICKEL-COPPER MINES	1731269	KG	60433575
			1731269		60433575

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM, IRIDIUM , RUTHENIUM AND OSMIUM

MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1985 BY MINES IN SELECTED STANDARD INDUSTRIAL CLASSES

MINERAL COMMODITY	STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE
				$
COPPER	PRODUCED FROM			
	GOLD QUARTZ MINES	34665	KG	47968
	COPPER-GOLD-SILVER M	134349387	KG	258892569
	NICKEL-COPPER MINES	144156197	KG	286294205
		278540249		545234742
GEMSTONES	PRODUCED FROM			
	MISC. NON-METAL M	80	TONNE	108588
		80		108588
GOLD	PRODUCED FROM			
	GOLD QUARTZ MINES	29300900	G	409451845
	COPPER-GOLD-SILVER M	538369	G	7520618
	NICKEL-COPPER MINES	1760367	G	24520150
		31599636		441492613
GYPSUM	PRODUCED FROM			
	GYPSUM MINES	1114437	TONNE	15055580
		1114437		15055580

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM, IRIDIUM , RUTHENIUM AND OSMIUM

SL R10.DAT February 4, 1987

MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1985
BY MINES IN SELECTED
STANDARD INDUSTRIAL CLASSES

MINERAL COMMODITY		STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE
					$
IRIDIUM	PRODUCED FROM				
		NICKEL-COPPER MINES			
			SEE NOTE		
IRON ORE	PRODUCED FROM				
		IRON MINES	4302467	TONNE	231808565
		NICKEL-COPPER MINES	25113	TONNE	687626
			4327580		232496191
LEAD	PRODUCED FROM				
		COPPER-GOLD-SILVER M	3819034	KG	1907276
			3819034		1907276
LIME	PRODUCED FROM				
		IRON & STEEL MILLS	143686	TONNE	9195904
		SMELTING & REFINING	44101	TONNE	2822464
		LIME MANUFACTURERS	1464676	TONNE	97957332
			1652463		109975700

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM, IRIDIUM , RUTHENIUM AND OSMIUM

SL R10.DAT February 4, 1987

MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1985 BY MINES IN SELECTED STANDARD INDUSTRIAL CLASSES

MINERAL COMMODITY	STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE
				$
MAGNESIUM	PRODUCED FROM			
	SMELTING & REFINING	8446260	KG	36369595
		8446260		36369595
MAGNETITE	PRODUCED FROM			
	FELDSPAR & QUARTZ M	3569	TONNE	49588
		3569		49588
NATURAL GAS	PRODUCED FROM			
	PETROLEUM & NAT. GAS	589866960	CU.M	73143484
		589866960		73143484
NEPHELINE SYENITE	PRODUCED FROM			
	FELDSPAR & QUARTZ M	467186	TONNE	18603456
		467186		18603456
NICKEL	PRODUCED FROM			
	NICKEL-COPPER MINES	131034865	KG	930760468
		131034865		930760468

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM, IRIDIUM , RUTHENIUM AND OSMIUM

SL R10.DAT February 4, 1987

MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1985 BY MINES IN SELECTED STANDARD INDUSTRIAL CLASSES

MINERAL COMMODITY	STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE
				$
PALLADIUM	PRODUCED FROM NICKEL-COPPER MINES			
		SEE NOTE		
PEAT	PRODUCED FROM PEAT BOG	5576	TONNE	908115
		5576		908115
PETROLEUM	PRODUCED FROM PETROLEUM & NAT. GAS	112954	CU.M	24736926
		112954		24736926
PLATINUM GROUP	PRODUCED FROM NICKEL-COPPER MINES	11594	KG	153626084
		11594		153626084
QUARTZ	PRODUCED FROM FELDSPAR & QUARTZ M	361833	TONNE	9903922
		361833		9903922

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM, IRIDIUM , RUTHENIUM AND OSMIUM

SL R10.DAT February 4, 1987

MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1985 BY MINES IN SELECTED STANDARD INDUSTRIAL CLASSES

MINERAL COMMODITY	STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE
				$
RHODIUM	PRODUCED FROM			
	NICKEL-COPPER MINES			
		SEE NOTE		
RUTHENIUM	PRODUCED FROM			
	NICKEL-COPPER MINES			
		SEE NOTE		
SALT	PRODUCED FROM			
	SALT MINES	5828762	TONNE	125233440
		5828762		125233440
SAND & GRAVEL	PRODUCED FROM			
	SAND AND GRAVEL PITS	64501883	TONNE	158346951
		64501883		158346951
SELENIUM	PRODUCED FROM			
	COPPER-GOLD-SILVER M	81598	KG	1780386
	NICKEL-COPPER MINES	38708	KG	844569
		120306		2624955

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM, IRIDIUM , RUTHENIUM AND OSMIUM

SL R10.DAT February 4, 1987

MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1985 BY MINES IN SELECTED STANDARD INDUSTRIAL CLASSES

MINERAL COMMODITY		STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE
					$
SERPENTINE FILLER	PRODUCED FROM				
		MISC. NON-METAL M	4090	TONNE	595648
			4090		595648
SILVER	PRODUCED FROM				
		GOLD QUARTZ MINES	4943	KG	1146268
		COPPER-GOLD-SILVER M	326625	KG	88657167
		NICKEL-COPPER MINES	46262	KG	12901915
		SILVER-COBALT MINES	52263	KG	14236917
			430093		116942267
STONE	PRODUCED FROM				
		GRANITE QUARRIES	2520206	TONNE	36838734
		LIMESTONE QUARRIES	42281494	TONNE	164430080
		MARBLE QUARRIES	190344	TONNE	8900167
		SANDSTONE QUARRIES	4936	TONNE	295570
		SHALE QUARRIES	857340	TONNE	1192311
		SLATE QUARRIES	150	TONNE	9548
			45854470		211666410

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM, IRIDIUM , RUTHENIUM AND OSMIUM

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MINERAL COMMODITY	STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE
				$
SULPHUR	PRODUCED FROM			
	COPPER-GOLD-SILVER M	210881	TONNE	17928375
	NICKEL-COPPER MINES	239109	TONNE	20328223
		449990		38256598
TALC	PRODUCED FROM			
	TALC & SOAPSTONE M	47576	TONNE	9623731
		47576		9623731
TELLURIUM	PRODUCED FROM			
	NICKEL-COPPER MINES	4804	KG	159084
		4804		159084
URANIUM	PRODUCED FROM			
	URANIUM MINES	4499427	KG	552561058
		4499427		552561058
ZINC	PRODUCED FROM			
	COPPER-GOLD-SILVER M	266938305	KG	301000582
		266933305		301000582

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM, IRIDIUM , RUTHENIUM AND OSMIUM

PRODUCTION OF THE SAND AND GRAVEL INDUSTRY

MINERAL COMMODITY SUBGROUP	YEAR	VOLUME	VALUE
		TONNE	$
SAND	1976	22956774	39045074
	1977	23554680	39196068
	1978	29067143	46948617
	1979	26564238	46754169
	1980	26297321	49394265
	1981	23631022	43913408
	1982	16897674	38453590
	1983	18677952	44930045
	1984	19853107	47964966
	1985	20288582	52870291
GRAVEL (NATURAL)	1976	18996771	19342242
	1977	21897234	23313314
	1978	26492384	28209540
	1979	28876632	31984489
	1980	23680565	25347503
	1981	21345221	26933774
	1982	17412219	24445961
	1983	15756653	20039450
	1984	17741884	27650747
	1985	20580819	31571302
CRUSHED GRAVEL	1976	26848500	47706010
	1977	29948476	59266511
	1978	32286229	67585053
	1979	35074760	73108799
	1980	27618299	59238001
	1981	25230296	63587622
	1982	19258037	53652503
	1983	19167158	55262182
	1984	19850797	60508797
	1985	23632482	73905358

PRODUCTION OF THE SAND AND GRAVEL INDUSTRY REPORT 11 PAGE 2

MINERAL COMMODITY SUBGROUP	YEAR	VOLUME	VALUE
		TONNE	$
TOTAL PRODUCTION OF THE SAND AND GRAVEL INDUSTRY	1976	68802045	106093326
	1977	75400390	121775893
	1978	87845756	142743210
	1979	90515630	151847457
	1980	77596185	133979769
	1981	70206539	134434804
	1982	53567930	116552054
	1983	53601763	120231677
	1984	57445788	136124510
	1985	64501883	158346951

NOTE: THE 1980 CENSUS OF SAND + GRAVEL OPERATIONS WAS MUCH MORE COMPREHENSIVE THAN PREVIOUS CENSUS. THE ADDITIONAL OPERATIONS SURVEYED, ALTHOUGH ON AVERAGE SMALLER PRODUCERS, HAVE AFFECTED THE STATISTICS. ONLY FUTURE COMPARABLE CENSUS WILL REVEAL THE EFFECT.

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VOLUME AND VALUE OF MINERAL PRODUCTION IN 1983 REPORT 12 PAGE 1

IN ONTARIO, CANADA AND THE WORLD

MINERAL COMMODITY	UNIT OF VOLUME	ONTARIO VOLUME	ONTARIO VALUE $	CANADA VOLUME	CANADA VALUE $	WORLD VOLUME	ONTARIO VOLUME AS % OF WORLD VOLUME	CANADA VOLUME AS % OF WORLD VOLUME
ANTIMONY	KILOGRAMS	0	0	264000	2021000	48353854	.00	.55
ASBESTOS	TONNES	0	0	858000	391294000	4200000	.00	20.43
BARITE	TONNES	5000	1600000	5000	4878000	5715264	.09	.09
BISMUTH	KILOGRAMS	0	0	245000	1225000	4050580	.00	6.05
CADMIUM	KILOGRAMS	668402	1637862	1068000	2863000	17244000	3.88	6.19
CALCIUM	KILOGRAMS	398984	3306450	N/A	N/A	N/A	N/A	N/A
CEMENT	TONNES	3200775	212263334	7799000	615122000	925645949	.35	.84
CLAY PRODUCTS	N/A	N/A	73297428	N/A	130954000	N/A	N/A	N/A
COAL	TONNES	0	0	44787000	1303944000	N/A	N/A	N/A
COBALT	KILOGRAMS	1024768	16602079	1346000	22405000	24127485	4.25	5.58
COLUMBIUM(CB2O5)	KILOGRAMS	0	0	1745000	12133000	8473105	.00	20.59
COPPER	KILOGRAMS	226796187	457348815	660033000	1362512000	8044000000	2.82	8.21
GEMSTONES	KILOGRAMS	54	63525	N/A	841000	N/A	N/A	N/A
GOLD	GRAMS	23260217	389337983	73011000	1222374000	1385037822	1.68	5.27
GYPSUM	TONNES	907042	9937629	7507000	57881000	77858223	1.16	9.64
IRON ORE	TONNES	3815898	183793038	32965000	1281478000	741307825	.51	4.45
IRON, REMELT	TONNES	0	0	N/A	108549000	N/A	N/A	N/A
LEAD	KILOGRAMS	6543900	2865309	272032000	159557000	3350000000	.20	8.12
LIME	TONNES	1586375	89251887	2160000	139389000	108088340	1.47	2.00
MAGNESITIC DOLOMITE	TONNES	0	0	N/A	7825000	N/A	N/A	N/A
MAGNESIUM	KILOGRAMS	5980265	21978106	N/A	N/A	N/A	N/A	N/A
MAGNETITE	TONNES	3304	38941	N/A	N/A	N/A	N/A	N/A
MOLYBDENUM	KILOGRAMS	0	0	10194000	87710000	62595747	.00	16.29
NATURAL GAS	K CU METRE	458313	45931250	72227000	7077051000	N/A	N/A	N/A
NATURAL GAS BY-PROD.	CUBIC METR	0	0	18013000	2681146000	N/A	N/A	N/A
NEPHELINE SYENITE	TONNES	523249	18912825	523000	18913000	N/A	N/A	N/A
NICKEL	KILOGRAMS	88291560	550124912	124863000	781320000	688863475	12.82	18.13
PEAT	TONNES	4829	711443	530000	47975000	375120890	.00	.14
PETROLEUM	CU METRE	84788	16109720	78752000	16090476000	N/A	N/A	N/A
PLATINUM GROUP	KILOGRAMS	6964	79155805	6964	79156000	202173	3.44	3.44
POTASH	TONNES	0	0	6300000	845800000	26600000	.00	23.68
QUARTZ	TONNES	388705	10559822	1219000	18867000	N/A	N/A	N/A
SALT	TONNES	5479984	98726006	6754000	132356000	165788011	3.31	4.07
SAND & GRAVEL	TONNES	53582186	120231677	165092000	564350000	N/A	N/A	N/A
SELENIUM	KILOGRAMS	35254	334615	253000	2536000	1320000	2.67	19.17
SILVER	KILOGRAMS	414696	197916854	1193000	551787000	12149018	3.41	9.82
SOAPSTONE, TALC	TONNES	32877	6060101	33000	9162000	N/A	N/A	N/A
SODIUM SULPHATE	TONNES	0	0	N/A	42636000	1752681	.00	.00
STONE	TONNES	33831836	143703182	70324000	335992000	N/A	N/A	N/A
SULPHUR	TONNES	338752	19710474	7309000	469680000	50500000	.67	14.47
TELLURIUM	KILOGRAMS	1264	34633	16000	516000	110000	1.15	14.55
TIN	KILOGRAMS	3732	81495	140000	2015000	212000000	.00	.07
TUNGSTEN(WO3)	KILOGRAMS	0	0	1128000	N/A	38918000	.00	2.89
URANIUM(U)	KILOGRAMS	4767120	535770365	6823000	857136000	N/A	N/A	N/A
ZINC	KILOGRAMS	274818534	280505720	974004000	1084080000	6246000000	4.40	15.59
TOTAL VALUE OF ALL MINERAL COMMODITIES IN 1983			3587904285		38539005000			

NOTE: VALUE OF LIME AND VALUE OF CEMENT PRODUCED IN ONTARIO EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME AND CEMENT.
IN 1983 $9,969,988 WAS DEDUCTED FROM CEMENT AND $6,637,039 WAS DEDUCTED FROM LIME.
REPORT 12 EXCLUDES FELDSPAR, SERPENTINE FILLER & TERRAZO CHIPS
THE 1985 AND PREVIOUS YEARS DATA FOR ONTARIO AND CANADA ARE BASED ON THE ANNUAL CENSUS OF MINES, QUARIES AND SAND PITS AND THIS EDITED DATA TENDS TO BE MUCH MORE ACCURATE.

SL R12.DAT FEBRUARY 5, 1987

VOLUME AND VALUE OF MINERAL PRODUCTION IN 1984

IN ONTARIO, CANADA AND THE WORLD

MINERAL COMMODITY	UNIT OF VOLUME	ONTARIO VOLUME	ONTARIO VALUE $	CANADA VOLUME	CANADA VALUE $	WORLD VOLUME	ONTARIO VOLUME AS % OF WORLD VOLUME	CANADA VOLUME AS % OF WORLD VOLUME
ANTIMONY	KILOGRAMS	0	0	N/A	3163000	53394172	.00	.00
ASBESTOS	TONNES	0	0	837000	379275000	4338000	.00	19.29
BARITE	TONNES	8000	1500000	64000	6974000	5727057	.14	1.12
BISMUTH	KILOGRAMS	0	0	164000	1946000	3928110	.00	4.18
CADMIUM	KILOGRAMS	834332	3116180	1509000	6380000	17687000	4.72	8.53
CALCIUM	KILOGRAMS	515380	4559566	N/A	N/A	N/A	N/A	N/A
CEMENT	TONNES	3582611	225320319	8576000	686518000	960799358	.37	.89
CLAY PRODUCTS	N/A	N/A	82671246	N/A	135701000	N/A	N/A	N/A
COAL	TONNES	0	0	57401000	1794625000	N/A	N/A	N/A
COBALT	KILOGRAMS	1614435	37027130	2050000	49570000	32327528	4.99	6.34
COLUMBIUM(CB2O5)	KILOGRAMS	0	0	2767000	18778000	12665206	.00	21.85
COPPER	KILOGRAMS	292423266	537391499	722029000	1350208000	7838000000	3.73	9.21
GEMSTONES	KILOGRAMS	60	77422	184000	1118000	N/A	N/A	N/A
GOLD	GRAMS	27820870	413229920	82975000	1240939000	1432004072	1.94	5.79
GYPSUM	TONNES	1183194	12715599	7775000	61562000	81920596	1.44	9.49
IRON ORE	TONNES	4550657	236348856	39926000	1496984000	801661011	.57	4.98
IRON, REMELT	TONNES	0	0	N/A	134827000	N/A	N/A	N/A
LEAD	KILOGRAMS	8931396	6310602	263754000	194599000	3200000000	.28	8.24
LIME	TONNES	1646615	98100718	2221000	153807000	113213027	1.45	1.96
MAGNESITIC DOLOMITE	TONNES	0	0	112000	8145000	N/A	N/A	N/A
MAGNESIUM	KILOGRAMS	7587522	30926740	N/A	N/A	N/A	N/A	N/A
MAGNETITE	TONNES	3849	50541	N/A	N/A	N/A	N/A	N/A
MOLYBDENUM	KILOGRAMS	0	0	11557000	106158000	94648852	.00	12.21
NATURAL GAS	K CU METRE	548169	68468289	78328000	7949159000	N/A	N/A	N/A
NATURAL GAS BY-PROD.	CUBIC METR	0	0	19640000	2849820000	N/A	N/A	N/A
NEPHELINE SYENITE	TONNES	520640	18609289	521000	18609000	N/A	N/A	N/A
NICKEL	KILOGRAMS	132442247	886903006	173119000	1162068000	743791697	17.81	23.28
PEAT	TONNES	5208	904485	541000	51987000	374729893	.00	.14
PETROLEUM	CU METRE	90375	17276060	83680000	17811377000	N/A	N/A	N/A
PLATINUM GROUP	KILOGRAMS	10245	131415965	10000	131416000	220835	4.64	4.53
POTASH	TONNES	0	0	7527000	867480000	28638000	.00	26.28
QUARTZ	TONNES	393538	10630992	1905000	39351000	N/A	N/A	N/A
SALT	TONNES	6412414	131720179	10235000	210191000	167948925	3.82	6.09
SAND & GRAVEL	TONNES	57419176	136124510	233759000	546328000	N/A	N/A	N/A
SELENIUM	KILOGRAMS	54583	1106316	349000	8867000	1430000	3.82	24.41
SILVER	KILOGRAMS	516525	163232892	1303000	436644000	12397846	4.17	10.51
SOAPSTONE, TALC	TONNES	42814	8505499	123000	12548000	N/A	N/A	N/A
SODIUM SULPHATE	TONNES	0	0	389000	37702000	1727280	.00	22.52
STONE	TONNES	41386602	179479698	88799000	411121000	N/A	N/A	N/A
SULPHUR	TONNES	445503	35590585	9196000	672348000	51884000	.86	17.72
TELLURIUM	KILOGRAMS	5530	149033	19000	511000	92000	6.01	20.65
TIN	KILOGRAMS	0	0	209000	3761000	209000000	.00	.10
TUNGSTEN(WO3)	KILOGRAMS	0	0	4196000	N/A	44939000	.00	9.34
URANIUM(U)	KILOGRAMS	4552158	544778444	10272000	901573000	N/A	N/A	N/A
ZINC	KILOGRAMS	294130699	395602305	1053407000	1463915000	6419000000	4.58	16.41
TOTAL VALUE OF ALL MINERAL COMMODITIES IN 1984			4419841885		43692646000			

NOTE: VALUE OF LIME AND VALUE OF CEMENT PRODUCED IN ONTARIO EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME AND CEMENT.
IN 1984 $10,926,435 WAS DEDUCTED FROM CEMENT AND $6,832,150 WAS DEDUCTED FROM LIME.
REPORT 12 EXCLUDES FELDSPAR, SERPENTINE FILLER & TERRAZO CHIPS.
THE 1985 AND PREVIOUS YEARS DATA FOR ONTARIO AND CANADA ARE BASED ON THE ANNUAL CENSUS OF MINES, QUARIES AND SAND PITS AND THIS EDITED DATA TENDS TO BE MUCH MORE ACCURATE.

SL R12.DAT February 5, 1987

VOLUME AND VALUE OF MINERAL PRODUCTION IN 1985

IN ONTARIO, CANADA AND THE WORLD

MINERAL COMMODITY	UNIT OF VOLUME	ONTARIO VOLUME	ONTARIO VALUE $	CANADA VOLUME	CANADA VALUE $	WORLD VOLUME	ONTARIO VOLUME AS % OF WORLD VOLUME	CANADA VOLUME AS % OF WORLD VOLUME
ANTIMONY	KILOGRAMS	0	0	1075000	8476000	53161026	.00	2.02
ASBESTOS	TONNES	0	0	750000	298596000	4600000	.00	16.30
BARITE	TONNES	9000	1800000	71000	5502000	5651761	.16	1.26
BISMUTH	KILOGRAMS	0	0	200000	3922000	3674098	.00	5.44
CADMIUM	KILOGRAMS	848187	2585741	1887000	5563000	17500000	4.85	9.53
CALCIUM	KILOGRAMS	738542	7789402	N/A	N/A	N/A	N/A	N/A
CEMENT	TONNES	4043742	265048133	10143000	769728000	971594857	.42	1.04
CLAY PRODUCTS	N/A	N/A	86653738	N/A	135772000	N/A	N/A	N/A
COAL	TONNES	0	0	60436000	1845130000	N/A	N/A	N/A
COBALT	KILOGRAMS	1731269	60433575	2067000	71960000	31842184	5.44	6.49
COLUMBIUM(CB2O5)	KILOGRAMS	0	0	N/A	N/A	13154179	.00	.00
COPPER	KILOGRAMS	278540249	545234742	732485000	1448769000	7805000000	3.57	9.38
GOLD	GRAMS	31599636	441492613	86900000	1211773000	1461863410	2.16	5.94
GYPSUM	TONNES	1114437	15055580	8447000	75076000	83143481	1.34	10.16
IRON ORE	TONNES	4327580	232496191	39483000	1229758000	811821480	.53	4.86
LEAD	KILOGRAMS	3819034	1907276	268299000	154552000	3350000000	.11	8.01
LIME	TONNES	1852463	109975700	2313000	165672000	112490908	1.47	2.06
MAGNESITIC DOLOMITE	TONNES	0	0	136000	20266000	N/A	N/A	N/A
MAGNESIUM	KILOGRAMS	8446260	36369595	N/A	N/A	N/A	N/A	N/A
MAGNETITE	TONNES	3569	49588	N/A	N/A	N/A	N/A	N/A
MOLYBDENUM	KILOGRAMS	0	0	7852000	74359000	95027602	.00	8.26
NATURAL GAS	K CU METRE	589867	73143484	84413000	8056232000	N/A	N/A	N/A
NATURAL GAS BY-PROD.	CUBIC METR	0	0	19681000	2809781000	N/A	N/A	N/A
NEPHELINE SYENITE	TONNES	467186	18603456	467000	18603000	N/A	N/A	N/A
NICKEL	KILOGRAMS	131034865	930760468	169971000	1217387000	744798672	17.59	22.82
PEAT	TONNES	5576	908115	643000	63925000	374667298	.00	.17
PETROLEUM	CU METRE	112954	24738926	85584000	18417949000	N/A	N/A	N/A
PLATINUM GROUP	KILOGRAMS	11594	153626084	N/A	N/A	230166	5.04	.00
POTASH	TONNES	0	0	6661000	N/A	28600000	.00	23.29
QUARTZ	TONNES	361833	9903922	1905000	41031000	N/A	N/A	N/A
SALT	TONNES	5828762	125233440	10085000	215362000	169552828	3.44	5.95
SAND & GRAVEL	TONNES	64501883	158346951	242890000	576296000	N/A	N/A	N/A
SELENIUM	KILOGRAMS	120306	2624955	314000	6850000	1370000	8.78	22.92
SILVER	KILOGRAMS	430093	116942267	1171000	323711000	12254770	3.51	9.56
SOAPSTONE, TALC	TONNES	47576	9623731	127000	14502000	N/A	N/A	N/A
SODIUM SULPHATE	TONNES	0	0	366000	33871000	1651076	.00	22.17
STONE	TONNES	45854470	211666410	95306000	449500000	N/A	N/A	N/A
SULPHUR	TONNES	449990	38256598	8924000	1112521000	54000000	.83	16.53
TELLURIUM	KILOGRAMS	4804	159084	19000	645000	100000	4.80	19.00
TIN	KILOGRAMS	0	0	120000	1893000	201000000	.00	.06
TUNGSTEN(WO3)	KILOGRAMS	0	0	4031000	N/A	45100000	.00	8.94
URANIUM(U)	KILOGRAMS	4499427	552561058	10441000	1002127000	N/A	N/A	N/A
ZINC	KILOGRAMS	266938305	301000582	1035738000	1265076000	6560000000	4.07	15.79
TOTAL VALUE OF ALL MINERAL COMMODITIES IN 1985			4534989405		44638245000			

NOTE: VALUE OF LIME AND VALUE OF CEMENT PRODUCED IN ONTARIO EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME AND CEMENT. IN 1985 $8,330,312 WAS DEDUCTED FROM CEMENT AND $6,162,192 WAS DEDUCTED FROM LIME.
REPORT 12 EXCLUDES FELDSPAR,GEMSTONES,SERPENTINE FILLER.
THE 1985 AND PREVIOUS YEARS DATA FOR ONTARIO AND CANADA ARE BASED ON THE ANNUAL CENSUS OF MINES,QUARIES AND SAND PITS AND THIS EDITED DATA TENDS TO BE MUCH MORE ACCURATE.

SL R12.DAT

FEBRUARY 5, 1987

VOLUME AND VALUE OF MINERAL PRODUCTION IN 1986 REPORT 12 PAGE 4

IN ONTARIO, CANADA AND THE WORLD

MINERAL COMMODITY	UNIT OF VOLUME	ONTARIO VOLUME	ONTARIO VALUE $	CANADA VOLUME	CANADA VALUE $	WORLD VOLUME	ONTARIO VOLUME AS % OF WORLD VOLUME	CANADA VOLUME AS % OF WORLD VOLUME
ANTIMONY	KILOGRAMS	0	0	3900000	23810000	N/A	N/A	N/A
ASBESTOS	TONNES	0	0	640000	300586000	N/A	N/A	N/A
BARITE	TONNES	N/A	1500000	37000	4635000	N/A	N/A	N/A
BISMUTH	KILOGRAMS	0	0	257000	2396000	N/A	N/A	N/A
CADMIUM	KILOGRAMS	724000	2770000	1421000	5434000	N/A	N/A	N/A
CEMENT	TONNES	3965000	282189000	10058000	790846000	N/A	N/A	N/A
CLAY PRODUCTS	N/A	N/A	98000000	N/A	187943000	N/A	N/A	N/A
COAL	TONNES	0	0	57800000	1718000000	N/A	N/A	N/A
COBALT	KILOGRAMS	2142000	48485000	2488000	58242000	N/A	N/A	N/A
COPPER	KILOGRAMS	289297000	590456000	768244000	1567988000	N/A	N/A	N/A
GOLD	GRAMS	46720000	765781000	104855000	1715392000	N/A	N/A	N/A
GYPSUM	TONNES	1309000	17550000	8543000	80813000	N/A	N/A	N/A
IRON ORE	TONNES	3387000	N/A	38098000	1254758000	N/A	N/A	N/A
LEAD	KILOGRAMS	6542000	4407000	303503000	204427000	N/A	N/A	N/A
LIME	TONNES	1633000	140421000	2384000	206400000	N/A	N/A	N/A
MAGNESITIC DOLOMITE	TONNES	0	0	144000	19165000	N/A	N/A	N/A
MOLYBDENUM	KILOGRAMS	0	0	12914000	113942000	N/A	N/A	N/A
NATURAL GAS	K CU METRE	504000	65802000	76364000	6743835000	N/A	N/A	N/A
NATURAL GAS BY-PROD.	CUBIC METR	0	0	18906000	1825439000	N/A	N/A	N/A
NEPHELINE SYENITE	TONNES	485000	20413000	485000	20413000	N/A	N/A	N/A
NICKEL	KILOGRAMS	137004000	815858000	180599000	1075487000	N/A	N/A	N/A
PEAT	TONNES	8000	683000	587000	74502000	N/A	N/A	N/A
PETROLEUM	CU METRE	134000	15410000	84964000	9719155000	N/A	N/A	N/A
PLATINUM GROUP	KILOGRAMS	9000	147784000	N/A	N/A	N/A	N/A	N/A
POTASH	TONNES	0	0	6969000	N/A	N/A	N/A	N/A
QUARTZ	TONNES	832000	11187000	2437000	42834000	N/A	N/A	N/A
SALT	TONNES	6708000	145104000	11088000	241811000	N/A	N/A	N/A
SAND & GRAVEL	TONNES	69250000	187400000	234598000	580503000	N/A	N/A	N/A
SELENIUM	KILOGRAMS	107000	1841000	407000	6998000	N/A	N/A	N/A
SILVER	KILOGRAMS	437000	111218000	1219000	310102000	N/A	N/A	N/A
SOAPSTONE, TALC	TONNES	N/A	11068000	125000	15748000	N/A	N/A	N/A
SODIUM SULPHATE	TONNES	0	0	371000	33413000	N/A	N/A	N/A
STONE	TONNES	48000000	220000000	97317000	456414000	N/A	N/A	N/A
SULPHUR	TONNES	457000	35364000	7628000	994086000	N/A	N/A	N/A
TELLURIUM	KILOGRAMS	3000	109000	18000	547000	N/A	N/A	N/A
TUNGSTEN(WO3)	KILOGRAMS	0	0	1788000	N/A	N/A	N/A	N/A
URANIUM(U)	KILOGRAMS	4445000	478462000	10977000	923838000	N/A	N/A	N/A
ZINC	KILOGRAMS	303549000	375187000	1055103000	1304107000	N/A	N/A	N/A
TOTAL VALUE OF ALL MINERAL COMMODITIES IN 1986			* 4777283000		* 33834485000			

NOTE: THE 1986 DATA ARE PRELIMINARY ESTIMATES AND CAN VARY WIDELY (+/-25% OR MORE) FROM THE FINAL CENSUS DATA WHICH WILL BE COLLECTED DURING 1987.
* INCLUDES ESTIMATED VALUES OF GEMSTONES, SERPENTINE FILLER, CALCIUM AND MAGNESIUM.

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PRELIMINARY ESTIMATE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1986

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
	X 1000													
FUELS														
COAL	TONNE	0	0	2880	480	0	0	0	8270	25020	21150	0	0	57800
	$	0	0	176500	26700	0	0	0	100000	438000	974800	0	0	1716000
NATURAL GAS BY-PROD.	CU.M	0	0	0	0	0	0	0	176	18295	435	0	0	18906
	$	0	0	0	0	0	0	0	16433	1762164	46842	0	0	1825439
NATURAL GAS	KCU.M	0	0	0	1	0	504	0	2113	67029	6444	0	273	76364
	$	0	0	0	15	0	65802	0	118334	6106362	431239	0	22083	6743835
PETROLEUM, CRUDE	CU.M	0	0	0	N/A	0	134	825	11544	68970	2004	0	1487	84964
	$	0	0	0	13	0	15410	94601	1269785	7970208	257820	0	111518	9719155
TOTAL, FUELS														
	$	0	0	176500	26728	0	81212	94601	1504552	16276734	1710501	0	133601	20004429
TOTAL, OTHER MINERALS														
	$	0	0	17764	17	0	1954	1041	1763	306	1038	0	12628	36511

PRELIMINARY ESTIMATE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1986

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T	CA
	X 1000													
METALLIC MINERAL														
ANTIMONY	KG	0	0	0	N/A	0	0	0	0	0	N/A	0	0	[illegible]
	$	0	0	0	20444	0	0	0	0	0	3466	0	0	23
BISMUTH	KG	0	0	0	174	0	0	N/A	0	0	82	1	0	
	$	0	0	0	1625	0	0	1	0	0	763	7	0	2
CADMIUM	KG	0	0	0	52	54	724	115	5	0	301	2	168	1
	$	0	0	0	199	207	2770	441	20	0	1151	7	639	5
COBALT	KG	0	0	0	0	0	2142	344	0	0	0	0	0	2
	$	0	0	0	0	0	48485	7777	0	0	0	0	0	56
COPPER	KG	0	0	0	7069	67045	289297	69274	3455	0	332084	20	N/A	768
	$	0	0	0	14427	136840	590456	141389	7051	0	677783	41	1	1567
GOLD	G	0	0	0	107	29484	46720	2187	15	25	8737	4020	13380	104
	$	0	0	0	1757	482944	765781	35851	245	410	143208	65890	219308	1715
IRON ORE	TONNE	19465	0	0	0	13200	3367	0	0	0	64	0	0	36
	$	702483	0	0	0	N/A	N/A	0	0	0	3442	0	0	1254
LEAD	KG	0	0	0	76391	0	6542	498	0	0	103204	36279	80591	303
	$	0	0	0	51454	0	4407	334	0	0	69514	24436	54282	204
MOLYBDENUM	KG	0	0	0	0	400	0	0	0	0	12514	0	0	12
	$	0	0	0	0	3529	0	0	0	0	110413	0	0	113
NICKEL	KG	0	0	0	0	0	137004	43595	0	0	0	0	0	180
	$	0	0	0	0	0	815858	259609	0	0	0	0	0	1075
PLATINUM GROUP	KG	0	0	0	0	0	9	N/A	0	0	0	0	0	N
	$	0	0	0	0	0	147784	N/A	0	0	0	0	0	N
SELENIUM	KG	0	0	0	0	224	107	68	8	0	0	0	0	4
	$	0	0	0	0	3851	1841	1162	144	0	0	0	0	69
SILVER	KG	0	0	0	201	50	437	34	3	0	405	66	23	12
	$	0	0	0	51031	12643	111218	8707	671	0	103093	16897	5842	310
TANTALUM(TA205)	KG	0	0	0	0	0	0	39	0	0	0	0	0	
	$	0	0	0	0	0	0	2124	0	0	0	0	0	2
TELLURIUM	KG	0	0	0	0	9	3	3	N/A	0	0	0	0	
	$	0	0	0	0	327	109	99	12	0	0	0	0	5
TUNGSTEN(WO3)	KG	0	0	0	0	0	0	0	0	0	0	0	1788	17
	$	0	0	0	0	0	0	0	0	0	0	0	N/A	N
URANIUM(U)	KG	0	0	0	0	0	4445	0	6532	0	0	0	0	10
	$	0	0	0	0	0	476462	0	447376	0	0	0	0	923
ZINC	KG	6686	0	0	166107	42000	303549	57742	3213	0	137687	54562	283557	1055
	$	8264	0	0	205308	51912	375187	71369	3972	0	170181	67438	350476	1304
TOTAL, METALLIC MINERAL	$	710747	0	0	346245	1253553	3543038	541220	459491	410	1284193	174716	630546	8944

PRELIMINARY ESTIMATE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1986

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
	X 1000													
NON-METALLIC MINERAL														
ASBESTOS	TONNE	45	0	0	0	515	0	0	0	0	80	0	0	640
	$	18000	0	0	0	232886	0	0	0	0	49800	0	0	300586
BARITE	TONNE	N/A	0	N/A	0	0	N/A	0	0	0	N/A	0	0	37
	$	24	0	1211	0	0	1500	0	0	0	1900	0	0	4635
GEMSTONES	KG	N/A	0	0	0	0	N/A	0	0	0	N/A	0	0	1
	$	8	0	0	0	0	200	0	0	0	376	0	0	584
GYPSUM	TONNE	448	0	6164	0	0	1309	162	0	0	459	0	0	8543
	$	5507	0	50848	0	0	17550	2148	0	0	4562	0	0	80613
MEGNESITIC DOLOMITE	TONNE	0	0	0	0	N/A	0	0	0	0	N/A	0	0	144
	$	0	0	0	0	5000	0	0	0	0	14165	0	0	19165
NEPHELINE SYENITE	TONNE	0	0	0	0	0	485	0	0	0	0	0	0	485
	$	0	0	0	0	0	20413	0	0	0	0	0	0	20413
PEAT	TONNE	1	0	6	191	232	8	73	17	58	3	0	0	587
	$	238	0	1150	18440	24768	683	13809	2485	12821	110	0	0	74502
POTASH(K2O)	TONNE	0	0	0	N/A	0	0	0	N/A	0	0	0	0	6969
	$	0	0	0	N/A	0	0	0	N/A	0	0	0	0	N/A
QUARTZ	TONNE	N/A	0	N/A	N/A	821	832	N/A	122	N/A	N/A	0	0	2437
	$	1800	0	N/A	N/A	15914	11167	2979	N/A	4500	1912	0	0	42834
SALT	TONNE	0	0	N/A	N/A	N/A	8708	0	442	1391	0	0	0	11088
	$	0	0	N/A	N/A	N/A	145104	0	25397	22203	0	0	0	241611
SOAPSTONE, TALC	TONNE	N/A	0	0	0	40	N/A	0	0	0	0	0	0	125
	$	1308	0	0	0	3370	11068	0	0	0	0	0	0	15746
SODIUM SULPHATE	TONNE	0	0	0	0	0	0	0	N/A	N/A	0	0	0	371
	$	0	0	0	0	0	0	0	29315	4098	0	0	0	33413
SULPHUR (ELEMENTAL)	TONNE	0	0	0	0	0	N/A	1	7	6565	295	0	0	6868
	$	0	0	0	0	0	42	191	770	874186	51895	0	0	927084
SULPHUR SMELTER GAS	TONNE	0	0	0	101	32	456	2	N/A	0	100	1	88	780
	$	0	0	0	9431	3881	35322	165	19	0	10877	117	7390	66982
TOTAL, NON-METALLIC MINERAL	$	28685	0	86576	114255	559807	243049	19290	556886	917808	135397	117	7390	2687260

NOTE: DOES NOT INCLUDE MAGNETITE AND SERPENTINE FILLER

PRELIMINARY ESTIMATE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1986

	X 1000	NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
STRUCTURAL MATERIAL														
CEMENT	TONNE	N/A	0	N/A	N/A	3231	3965	431	N/A	934	1013	0	0	10058
	$	9300	0	20449	8408	200700	282189	46104	20007	124951	78740	0	0	790846
CLAY PRODUCTS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	$	1480	0	7730	3350	31783	98000	2480	4060	10160	8900	0	0	167943
LIME	TONNE	0	0	0	N/A	N/A	1633	N/A	0	191	126	0	0	2384
	$	0	0	0	N/A	N/A	140421	5417	0	21437	9954	0	0	206400
SAND AND GRAVEL	TONNE	2700	475	8325	8200	26023	69250	12200	10675	48400	41900	3450	3000	234598
	$	13345	1700	25150	N/A	N/A	167400	35100	26050	108000	106600	8700	4775	560503
STONE	TONNE	529	0	4203	2030	32918	48000	3466	0	196	5725	0	250	97317
	$	2612	0	22504	11074	153024	220000	13100	0	2925	30275	0	900	456414
TOTAL, STRUCTURAL MATERIAL	$	26737	1700	75833	38801	462390	908010	102201	50117	267473	234469	8700	5675	2182106
GRAND TOTAL 1986	$	764169	1700	356873	526046	2275750	4777263	758353	2572809	17462731	3365598	183533	789840	33834465
GRAND TOTAL 1985	$	869727	1917	325379	508897	2243274	4535049	862158	3796550	27029838	3540930	60069	864657	44638245

REVISED STATISTICS OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1985

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
	X 1000													
FUELS														
COAL	TONNE	0	0	2810	557	0	0	0	9672	24730	22867	0	0	60436
	$	0	0	167620	31600	0	0	0	108475	447760	1089675	0	0	1845130
NATURAL GAS	KCU.M	0	0	0	1	0	590	0	2015	73792	7771	0	244	84413
	$	0	0	0	13	0	73143	0	116136	7305388	539646	0	21906	8056232
NATURAL GAS BY-PROD.	CU.M	0	0	0	0	0	0	0	202	19209	270	0	0	19681
	$	0	0	0	0	0	0	0	26388	2740339	43054	0	0	2809781
PETROLEUM, CRUDE	CU.M	0	0	0	N/A	0	113	821	11588	69922	1970	0	1150	85564
	$	0	0	0	13	0	24737	180726	2370000	15207350	433820	0	201303	18417949
TOTAL, FUELS	$	0	0	167620	31626	0	97880	180726	2620999	25700837	2106195	0	223209	31129092
TOTAL, OTHER MINERALS	$	0	0	0	4232	0	0	832	1764	480	793	0	32330	40431

REVISED STATISTICS OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1985

	X 1000	NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
METALLIC MINERAL														
ANTIMONY	KG	0	0	0	N/A	0	0	0	0	0	N/A	0	0	1075
	$	0	0	0	2605	0	0	0	0	0	3871	0	0	6478
BISMUTH	KG	0	0	0	163	0	0	N/A	0	0	33	1	3	200
	$	0	0	0	3197	0	0	4	0	0	650	11	60	3922
CADMIUM	KG	0	0	0	67	124	848	182	13	0	194	1	238	1667
	$	0	0	0	244	451	2586	660	47	0	704	5	866	5563
CALCIUM	KG	0	0	0	0	0	739	0	0	0	0	0	0	739
	$	0	0	0	0	0	7789	0	0	0	0	0	0	7789
COBALT	KG	0	0	0	0	0	1731	336	0	0	0	0	0	2067
	$	0	0	0	0	0	60434	11526	0	0	0	0	0	71960
COPPER	KG	0	0	0	6774	73531	278540	69071	4976	0	299560	10	23	732485
	$	0	0	0	13454	146032	545235	137175	9882	0	594926	19	46	1446769
GOLD	G	0	0	0	283	30104	31600	2162	225	28	6720	3065	12713	86900
	$	0	0	0	3948	419316	441493	30118	3130	396	93604	42689	177079	1211773
IRON ORE	TONNE	20192	0	0	0	14875	4328	0	0	0	88	0	0	39483
	$	774802	0	0	0	N/A	232496	0	0	0	3820	0	0	1229758
LEAD	KG	0	0	0	68375	0	3819	741	0	0	116811	1470	77083	268299
	$	0	0	0	39463	0	1908	427	0	0	67418	848	44489	154553
MAGNESIUM	KG	0	0	0	0	0	8446	0	0	0	0	0	0	8446
	$	0	0	0	0	0	36370	0	0	0	0	0	0	36370
MOLYBDENUM	KG	0	0	0	0	326	0	0	0	0	7526	0	0	7852
	$	0	0	0	0	3260	0	0	0	0	71099	0	0	74359
NICKEL	KG	0	0	0	0	0	131035	38936	0	0	0	0	0	169970
	$	0	0	0	0	0	930760	286627	0	0	0	0	0	1217387
PLATINUM GROUP	KG	0	0	0	0	0	12	N/A	0	0	0	0	0	N/A
	$	0	0	0	0	0	153626	N/A	0	0	0	0	0	N/A
SELENIUM	KG	0	0	0	0	139	120	47	8	0	0	0	0	314
	$	0	0	0	0	3029	2625	1025	171	0	0	0	0	6850
SILVER	KG	0	0	0	175	61	430	40	6	0	379	47	33	1171
	$	0	0	0	48921	17133	118942	11205	1556	0	105773	13098	9083	323710
TANTALUM(TA2O5)	KG	0	0	0	0	0	0	39	0	0	0	0	0	39
	$	0	0	0	0	0	0	3045	0	0	0	0	0	3045
TELLURIUM	KG	0	0	0	0	6	5	7	1	0	0	0	0	19
	$	0	0	0	0	198	159	247	41	0	0	0	0	645
TIN	KG	0	0	0	0	0	0	0	0	0	120	0	0	120
	$	0	0	0	0	0	0	0	0	0	1893	0	0	1893
TUNGSTEN(WO3)	KG	0	0	0	502	0	0	0	0	0	0	0	3529	4031
	$	0	0	0	N/A	0	0	0	0	0	0	0	N/A	N/A
URANIUM(U)	KG	0	0	0	0	0	4499	0	5942	0	0	0	0	10441
	$	0	0	0	0	0	552561	0	449566	0	0	0	0	1002127
ZINC	KG	32730	0	0	197503	75812	266938	64688	5663	0	108072	109	284223	1035738
	$	41043	0	0	247669	95068	301001	81120	7101	0	135522	137	356415	1265076
TOTAL, METALLIC MINERAL	$	815845	0	0	359501	1303927	3385984	571535	471494	396	1080463	56807	588038	8633990

REVISED STATISTICS OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1985

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
	X 1000													
NON-METALLIC MINERAL														
ASBESTOS	TONNE	45	0	0	0	616	0	0	0	0	89	0	0	750
	$	18259	0	0	0	223622	0	0	0	0	56715	0	0	298596
BARITE	TONNE	N/A	0	N/A	0	0	9	0	0	0	N/A	0	0	71
	$	178	0	951	0	0	1800	0	0	0	2573	0	0	5502
GEMSTONES	KG	N/A	0	0	0	0	80	0	0	0	N/A	0	0	N/A
	$	8	0	0	0	0	109	0	0	0	706	0	0	823
GYPSUM	TONNE	518	0	6165	0	0	1114	196	0	0	454	0	0	8447
	$	6096	0	47268	0	0	15056	1997	0	0	4659	0	0	75076
MAGNESITIC DOLOMITE	TONNE	0	0	0	0	N/A	0	0	0	0	N/A	0	0	136
	$	0	0	0	0	5408	0	0	0	0	14858	0	0	20266
NEPHELINE SYENITE	TONNE	0	0	0	0	0	467	0	0	0	0	0	0	467
	$	0	0	0	0	0	18603	0	0	0	0	0	0	18603
PEAT	TONNE	1	0	9	175	294	6	87	11	56	4	0	0	643
	$	121	0	1600	14700	21868	908	10563	1601	12454	110	0	0	63925
POTASH(K2O)	TONNE	0	0	0	N/A	0	0	0	N/A	0	0	0	0	6661
	$	0	0	0	N/A	0	0	0	N/A	0	0	0	0	N/A
QUARTZ	TONNE	N/A	0	N/A	N/A	742	362	N/A	148	N/A	N/A	0	0	1905
	$	1584	0	N/A	N/A	15428	9904	2808	N/A	4432	2180	0	0	41031
SALT	TONNE	0	0	N/A	N/A	N/A	5829	0	437	1404	0	0	0	10085
	$	0	0	N/A	N/A	N/A	125233	0	24437	17995	0	0	0	215382
SOAPSTONE, TALC	TONNE	N/A	0	0	0	37	48	0	0	0	0	0	0	127
	$	1734	0	0	0	3144	9624	0	0	0	0	0	0	14502
SODIUM SULPHATE	TONNE	0	0	0	0	0	0	0	N/A	N/A	0	0	0	366
	$	0	0	0	0	0	0	0	30237	3634	0	0	0	33871
SULPHUR (ELEMENTAL)	TONNE	0	0	0	0	0	0	0	5	7833	264	0	0	8102
	$	0	0	0	0	0	0	0	480	992926	32796	0	0	1026202
SULPHUR SMELTER GAS	TONNE	0	0	0	92	60	450	2	0	0	118	2	98	822
	$	0	0	0	11175	10705	38257	211	0	0	14039	267	11665	86319
TOTAL, NON-METALLIC MINERAL	$	27980	0	81708	87527	502490	219494	15579	850977	1031441	128636	267	11665	2737764

NOTE: DOES NOT INCLUDE MAGNETITE AND SERPENTINE FILLER

REVISED STATISTICS OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1985

	X 1000	NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
STRUCTURAL MATERIAL														
CEMENT	TONNE	N/A	0	N/A	N/A	3094	4044	343	N/A	1143	988	0	0	10143
	$	8779	0	21079	12366	183794	265048	35725	19237	148882	74818	0	0	769728
CLAY PRODUCTS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	$	1342	0	7069	4153	19131	86654	2159	3812	7828	3624	0	0	135772
LIME		0	0	0	N/A	N/A	1652	N/A	0	141	110	0	0	2313
	$	0	0	0	N/A	N/A	109976	5886	0	14990	8290	0	0	165672
SAND AND GRAVEL	TONNE	2568	588	8829	9177	32520	64502	12224	11433	49287	43774	1185	6803	242890
	$	12589	1917	23958	N/A	N/A	158347	33949	28267	121668	107671	2995	8981	576296
STONE	TONNE	800	0	4452	2394	31130	45854	4155	0	225	6333	0	163	95306
	$	3192	0	23945	12168	148752	211686	15787	0	3116	30440	0	434	449500
TOTAL, STRUCTURAL MATERIAL	$	25902	1917	76051	46011	436857	831691	93486	51316	296484	224843	2995	9415	2096968
GRAND TOTAL 1985	$	869727	1917	325379	508897	2243274	4535049	862158	3796550	27029638	3540930	60069	884857	44838245

1986 VS 1985

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
FUELS														
COAL	VOLUME	0.0	0.0	2.5	-13.8	0.0	0.0	0.0	-14.5	1.2	-6.7	0.0	0.0	-4.4
	$	0.0	0.0	5.3	-15.5	0.0	0.0	0.0	-7.8	-2.2	-10.5	0.0	0.0	-7.0
NATURAL GAS	VOLUME	0.0	0.0	0.0	N/A	0.0	-14.6	0.0	4.9	-9.2	-17.1	0.0	11.9	-9.5
	$	0.0	0.0	0.0	N/A	0.0	-10.0	0.0	1.9	-16.4	-20.1	0.0	0.8	-16.3
NATURAL GAS BY-PROD.	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-12.9	-4.8	61.1	0.0	0.0	-3.9
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-37.7	-35.7	8.8	0.0	0.0	-35.0
PETROLEUM, CRUDE	VOLUME	0.0	0.0	0.0	N/A	0.0	18.6	0.5	-0.4	-1.4	1.7	0.0	29.3	-0.7
	$	0.0	0.0	0.0	0.0	0.0	-37.7	-47.7	-46.4	-47.6	-40.6	0.0	-44.6	-47.2
TOTAL FOR FUELS	$	0.0	0.0	5.3	-15.5	0.0	-17.0	-47.7	-42.6	-36.7	-18.8	0.0	-40.1	-35.7

1986 VS 1985

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
METALLIC MINERAL														
ANTIMONY	VOLUME $	0.0 0.0	0.0 0.0	0.0 0.0	N/A 684.8	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	N/A -10.5	0.0 0.0	0.0 0.0	262.8 269.2
BISMUTH	VOLUME $	0.0 0.0	0.0 0.0	0.0 0.0	6.7 -49.2	0.0 0.0	0.0 0.0	N/A -75.0	0.0 0.0	0.0 0.0	148.5 17.4	0.0 36.4	N/A N/A	28.5 -38.9
CADMIUM	VOLUME $	0.0 0.0	0.0 0.0	0.0 0.0	-22.4 -18.4	-56.5 -54.1	-14.6 7.1	-36.8 -33.2	-61.5 -57.4	0.0 0.0	56.2 63.5	100.0 40.0	-29.4 -26.2	-14.6 -2.3
COBALT	VOLUME $	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	23.7 -19.8	2.4 -32.5	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	20.3 -21.8
COPPER	VOLUME $	0.0 0.0	0.0 0.0	0.0 0.0	4.4 7.2	-8.8 -6.3	3.9 8.3	0.3 3.1	-30.6 -28.8	0.0 0.0	10.9 13.9	100.0 115.6	N/A -97.8	4.9 8.4
GOLD	VOLUME $	0.0 0.0	0.0 0.0	0.0 0.0	-62.2 -55.5	-2.1 15.2	47.8 73.5	1.2 19.0	-93.3 -92.2	-10.7 3.5	30.0 53.0	31.2 54.3	5.2 23.8	20.4 41.6
IRON ORE	VOLUME $	-3.6 -9.3	0.0 0.0	0.0 0.0	0.0 0.0	-11.3 N/A	-22.2 N/A	0.0 0.0	0.0 0.0	0.0 0.0	-27.3 -9.9	0.0 0.0	0.0 0.0	-8.6 2.0
LEAD	VOLUME $	0.0 0.0	0.0 0.0	0.0 0.0	11.7 30.4	0.0 0.0	71.3 131.0	-33.1 -21.8	0.0 0.0	0.0 0.0	-11.6 3.1	2368.0 2781.8	4.6 22.0	13.1 32.3
MOLYBDENUM	VOLUME $	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	22.7 8.3	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	66.3 56.3	0.0 0.0	0.0 0.0	64.5 53.2
NICKEL	VOLUME $	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	4.8 -12.3	12.0 -9.4	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	6.3 -11.7
PLATINUM GROUP	VOLUME $	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	-25.0 -3.8	N/A N/A	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	N/A N/A
SELENIUM	VOLUME $	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	61.2 27.1	-10.8 -29.9	44.7 13.4	0.0 -15.8	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	29.6 2.2
SILVER	VOLUME $	0.0 0.0	0.0 0.0	0.0 0.0	14.9 4.3	-18.0 -26.2	1.6 -4.9	-18.0 -22.3	-50.0 -56.9	0.0 0.0	6.9 -2.5	40.4 29.0	-30.3 -35.7	4.1 -4.2
TANTALUM(TA2O5)	VOLUME $	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 -30.2	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 -30.2
TELLURIUM	VOLUME $	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	50.0 65.2	-40.0 -31.4	-57.1 -58.9	N/A -70.7	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	-15.8 -15.2
TUNGSTEN(WO3)	VOLUME $	0.0 0.0	0.0 0.0	0.0 0.0	N/A N/A	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	-49.4 N/A	-55.7 N/A
URANIUM(U)	VOLUME $	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	-1.2 -13.8	0.0 0.0	9.9 -0.5	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	5.1 -7.8
ZINC	VOLUME $	-79.6 -79.9	0.0 0.0	0.0 0.0	-15.9 -17.1	-44.6 -45.4	13.7 24.6	-10.7 -12.0	-43.3 -44.1	0.0 0.0	27.4 25.6	49858.9 49124.8	-0.2 -1.7	1.9 3.1
TOTAL FOR METALLIC MINERAL	$	-12.9	0.0	0.0	-3.7	1.1	0.0	-6.1	-2.5	3.5	19.1	207.8	7.2	6.6

1986 VS 1985

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
NON-METALLIC MINERAL														
ASBESTOS	VOLUME	0.0	0.0	0.0	0.0	-16.4	0.0	0.0	0.0	0.0	-10.1	0.0	0.0	-14.7
	$	-1.4	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	-12.5	0.0	0.0	0.7
BARITE	VOLUME	N/A	0.0	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	0.0	0.0	-47.9
	$	-86.5	0.0	27.3	0.0	0.0	-16.7	0.0	0.0	0.0	-26.2	0.0	0.0	-15.8
GEMSTONES	VOLUME	N/A	0.0	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	0.0	0.0	N/A
	$	0.0	0.0	0.0	0.0	0.0	83.5	0.0	0.0	0.0	-46.7	0.0	0.0	-29.0
GYPSUM	VOLUME	-13.3	0.0	0.0	0.0	0.0	17.5	-17.3	0.0	0.0	1.1	0.0	0.0	1.1
	$	-9.7	0.0	7.8	0.0	0.0	16.6	7.5	0.0	0.0	-2.1	0.0	0.0	7.4
MEGNESITIC DOLOMITE	VOLUME	0.0	0.0	0.0	0.0	N/A	0.0	0.0	0.0	0.0	N/A	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEPHELINE SYENITE	VOLUME	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	3.9
	$	0.0	0.0	0.0	0.0	0.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	9.7
PEAT	VOLUME	0.0	0.0	-33.3	9.1	-21.1	0.0	-16.1	54.5	3.6	-25.0	0.0	0.0	-8.7
	$	96.7	0.0	-28.1	25.4	13.3	-24.8	30.7	55.2	2.9	0.0	0.0	0.0	16.5
POTASH(K2O)	VOLUME	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	0.0	0.0	0.0	0.0	4.6
	$	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	0.0	0.0	0.0	0.0	-8.0
QUARTZ	VOLUME	N/A	0.0	N/A	0.0	10.6	129.8	0.0	-17.6	N/A	N/A	0.0	0.0	27.9
	$	1.0	0.0	N/A	0.0	3.2	11.7	6.1	N/A	1.5	-12.3	0.0	0.0	4.4
SALT	VOLUME	0.0	0.0	N/A	N/A	N/A	15.1	0.0	1.1	-0.9	0.0	0.0	0.0	9.9
	$	0.0	0.0	N/A	N/A	N/A	15.9	0.0	3.9	23.4	0.0	0.0	0.0	12.2
SOAPSTONE,TALC	VOLUME	N/A	0.0	0.0	0.0	8.1	N/A	0.0	0.0	0.0	0.0	0.0	0.0	-1.6
	$	-24.6	0.0	0.0	0.0	7.2	15.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6
SODIUM SULPHATE	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	1.4
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.0	12.8	0.0	0.0	0.0	-1.4
SULPHUR (ELEMENTAL)	VOLUME	0.0	0.0	0.0	0.0	0.0	N/A	N/A	40.0	-16.2	11.7	0.0	0.0	-15.2
	$	0.0	0.0	0.0	0.0	0.0	N/A	N/A	60.4	-12.0	58.2	0.0	0.0	-9.7
SULPHUR SMELTER GAS	VOLUME	0.0	0.0	0.0	9.8	-46.7	1.3	0.0	0.0	0.0	-15.3	-50.0	-30.6	-7.5
	$	0.0	0.0	0.0	-15.6	-65.8	-7.7	-21.8	0.0	0.0	-22.5	-56.2	-36.6	-22.4
TOTAL FOR NON-METALLIC MINERAL	$	-8.5	0.0	-28.1	7.7	-6.7	10.5	26.2	2.2	-11.0	31.9	-56.2	-36.6	-6.0

1986 VS 1985

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
STRUCTURAL MATERIAL														
CEMENT	VOLUME	N/A	0.0	N/A	N/A	4.4	-2.0	25.7	N/A	-18.3	2.5	0.0	0.0	-0.8
	$	5.9	0.0	-3.0	-32.0	9.2	6.5	29.1	4.0	-16.1	5.2	0.0	0.0	2.7
CLAY PRODUCTS	VOLUME	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	$	10.3	0.0	9.4	-19.3	66.1	13.1	14.9	6.5	29.8	145.6	0.0	0.0	23.7
LIME	VOLUME	0.0	0.0	0.0	N/A	N/A	-1.2	0.0	0.0	35.5	14.5	0.0	0.0	2.2
	$	0.0	0.0	0.0	N/A	N/A	27.7	-7.7	0.0	43.0	20.1	0.0	0.0	24.6
SAND AND GRAVEL	VOLUME	5.1	-19.2	-5.7	-10.6	-20.0	9.0	-0.2	-6.6	-1.8	-4.3	191.1	-55.9	-3.0
	$	6.0	-11.3	5.0	N/A	N/A	7.1	3.4	-7.8	-11.2	-1.0	190.5	-46.8	-2.4
STONE	VOLUME	-11.8	0.0	-5.6	-15.2	5.7	4.7	-16.6	0.0	-12.9	-9.6	0.0	53.4	2.1
	$	-18.2	0.0	-6.0	-9.0	2.9	3.9	-17.0	0.0	-6.1	-0.5	0.0	107.4	1.5
TOTAL FOR STRUCTURAL MATERIAL	$	3.2	-11.3	-0.3	-20.4	9.6	9.4	9.3	-2.3	-9.8	4.3	190.5	-39.7	4.2

1985 VS 1984

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
FUELS														
COAL	VOLUME	0.0	0.0	-9.1	-1.2	0.0	0.0	0.0	-2.5	7.3	9.1	0.0	0.0	5.3
	$	0.0	0.0	3.3	6.0	0.0	0.0	0.0	-14.6	-2.4	7.1	0.0	0.0	2.8
NATURAL GAS	VOLUME	0.0	0.0	0.0	0.0	0.0	7.7	0.0	10.3	7.7	7.0	0.0	29.8	7.8
	$	0.0	0.0	0.0	-27.8	0.0	6.0	0.0	25.5	-0.4	23.7	0.0	16.8	1.3
NATURAL GAS BY-PROD.	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.3	0.3	-1.1	0.0	0.0	0.2
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-6.3	-1.3	-1.8	0.0	0.0	-1.4
PETROLEUM, CRUDE	VOLUME	0.0	0.0	0.0	0.0	0.0	25.6	3.5	7.2	0.3	-6.5	0.0	557.1	2.3
	$	0.0	0.0	0.0	0.0	0.0	43.2	6.4	8.7	1.5	-0.7	0.0	895.9	3.4
TOTAL FOR FUELS	$	0.0	0.0	3.3	6.0	0.0	13.4	6.4	8.0	0.6	8.9	0.0	472.9	2.4

1985 VS 1984

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
METALLIC MINERAL														
ANTIMONY	VOLUME	0.0	0.0	0.0	N/A	0.0	0.0	0.0	0.0	0.0	N/A	0.0	0.0	N/A
	$	0.0	0.0	0.0	128.7	0.0	0.0	0.0	0.0	0.0	91.3	0.0	0.0	104.7
BISMUTH	VOLUME	0.0	0.0	0.0	7.2	0.0	0.0	N/A	0.0	0.0	266.7	N/A	0.0	22.0
	$	0.0	0.0	0.0	78.0	0.0	0.0	300.0	0.0	0.0	475.2	450.0	76.5	101.5
CADMIUM	VOLUME	0.0	0.0	0.0	-24.7	37.8	1.7	22.1	-23.5	0.0	70.2	-50.0	11.2	10.5
	$	0.0	0.0	0.0	-43.5	3.9	-17.0	-8.3	-42.7	0.0	27.3	-44.4	-16.2	-12.8
COBALT	VOLUME	0.0	0.0	0.0	0.0	0.0	7.2	-22.9	0.0	0.0	0.0	0.0	0.0	0.8
	$	0.0	0.0	0.0	0.0	0.0	83.2	-8.1	0.0	0.0	0.0	0.0	0.0	45.2
COPPER	VOLUME	N/A	0.0	0.0	-13.2	8.7	-4.7	2.3	3.7	0.0	6.7	0.0	-66.7	1.4
	$	N/A	0.0	0.0	-8.8	14.1	1.5	7.4	5.9	0.0	12.0	0.0	-64.6	7.2
GOLD	VOLUME	N/A	0.0	0.0	-63.8	5.1	13.6	0.4	19.7	75.0	-12.2	3.5	-0.1	4.7
	$	N/A	0.0	0.0	-66.3	-2.4	6.8	-6.8	11.0	60.3	-18.5	-3.9	-7.3	-2.4
IRON ORE	VOLUME	-4.7	0.0	0.0	0.0	6.1	-4.9	0.0	0.0	0.0	-48.5	0.0	0.0	-1.1
	$	-9.0	0.0	0.0	0.0	N/A	-1.6	0.0	0.0	0.0	-34.1	0.0	0.0	-17.8
LEAD	VOLUME	N/A	0.0	0.0	-4.7	0.0	-57.2	-9.3	0.0	0.0	37.2	-29.4	-14.5	1.7
	$	N/A	0.0	0.0	-25.5	0.0	-69.6	-29.3	0.0	0.0	7.2	-44.9	-33.2	-20.6
MOLYBDENUM	VOLUME	0.0	0.0	0.0	0.0	139.7	0.0	0.0	0.0	0.0	-34.1	0.0	0.0	-32.1
	$	0.0	0.0	0.0	0.0	135.5	0.0	0.0	0.0	0.0	-32.1	0.0	0.0	-30.0
NICKEL	VOLUME	0.0	0.0	0.0	0.0	0.0	-1.1	-4.3	0.0	0.0	0.0	0.0	0.0	-1.8
	$	0.0	0.0	0.0	0.0	0.0	4.9	4.2	0.0	0.0	0.0	0.0	0.0	4.8
PLATINUM GROUP	VOLUME	0.0	0.0	0.0	0.0	0.0	20.0	N/A	0.0	0.0	0.0	0.0	0.0	N/A
	$	0.0	0.0	0.0	0.0	0.0	16.9	N/A	0.0	0.0	0.0	0.0	0.0	N/A
SELENIUM	VOLUME	0.0	0.0	0.0	0.0	-34.4	116.2	-33.8	-27.3	0.0	0.0	0.0	0.0	-10.0
	$	0.0	0.0	0.0	0.0	-44.5	137.3	-43.9	-37.6	0.0	0.0	0.0	0.0	-21.0
SILVER	VOLUME	N/A	0.0	0.0	-19.4	29.8	-16.8	11.1	20.0	0.0	5.0	-13.0	-44.1	-10.1
	$	N/A	0.0	0.0	-35.3	4.9	-28.4	-8.4	-15.3	0.0	-15.6	-30.4	-55.4	-25.9
TELLURIUM	VOLUME	0.0	0.0	0.0	0.0	-40.0	-16.7	133.3	N/A	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	-24.1	6.7	180.7	215.4	0.0	0.0	0.0	0.0	26.2
TIN	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-42.6	0.0	0.0	-42.6
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-49.7	0.0	0.0	-49.7
TUNGSTEN(WO3)	VOLUME	0.0	0.0	0.0	-53.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	-3.9
	$	0.0	0.0	0.0	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A
URANIUM(U)	VOLUME	0.0	0.0	0.0	0.0	0.0	-1.2	0.0	3.9	0.0	0.0	0.0	0.0	1.6
	$	0.0	0.0	0.0	0.0	0.0	1.4	0.0	28.0	0.0	0.0	0.0	0.0	11.2
ZINC	VOLUME	-23.2	0.0	0.0	-15.2	30.2	-9.2	32.4	-8.1	0.0	13.2	-37.0	3.4	-1.7
	$	-31.6	0.0	0.0	-24.4	16.0	-23.9	18.0	-18.1	0.0	0.9	-43.9	-7.9	-13.6
TOTAL FOR METALLIC MINERAL	$	-11.3	0.0	0.0	-26.0	-35.5	-0.4	5.8	24.2	60.3	-0.6	-12.7	-11.7	-6.2

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		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
NON-METALLIC MINERAL														
ASBESTOS	VOLUME	-18.7	0.0	0.0	0.0	-10.9	0.0	0.0	0.0	0.0	-3.3	0.0	0.0	-10.4
	$	-27.9	0.0	0.0	0.0	-19.7	0.0	0.0	0.0	0.0	-24.7	0.0	0.0	-21.3
BARITE	VOLUME	N/A	N/A	0.0	0.0	0.0	12.5	0.0	0.0	0.0	N/A	0.0	0.0	10.9
	$	-84.5	0.0	-41.0	0.0	0.0	20.0	0.0	0.0	0.0	-5.1	0.0	0.0	-21.1
GEMSTONES	VOLUME	N/A	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	N/A	0.0	0.0	N/A
	$	N/A	0.0	0.0	0.0	0.0	41.6	0.0	0.0	0.0	-32.2	0.0	0.0	-26.4
GYPSUM	VOLUME	-2.4	0.0	12.6	0.0	0.0	-5.8	13.3	0.0	0.0	10.2	0.0	0.0	8.6
	$	34.0	0.0	23.2	0.0	0.0	18.4	8.1	0.0	0.0	14.3	0.0	0.0	22.0
MAGNESITIC DOLOMITE	VOLUME	0.0	0.0	0.0	0.0	N/A	0.0	0.0	0.0	0.0	N/A	0.0	0.0	21.4
	$	0.0	0.0	0.0	0.0	-15.3	0.0	0.0	0.0	0.0	742.8	0.0	0.0	148.8
NEPHELINE SYENITE	VOLUME	0.0	0.0	0.0	0.0	0.0	-10.4	0.0	0.0	0.0	0.0	0.0	0.0	-10.4
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PEAT	VOLUME	0.0	N/A	80.0	15.9	25.6	20.0	22.5	10.0	14.3	-63.6	0.0	0.0	18.9
	$	175.0	N/A	12.4	34.0	27.4	0.4	7.4	19.9	64.8	-93.3	0.0	0.0	23.0
POTASH(K2O)	VOLUME	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	0.0	0.0	0.0	0.0	-11.5
	$	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	0.0	0.0	0.0	0.0	-27.4
QUARTZ	VOLUME	N/A	0.0	N/A	N/A	-2.9	-8.1	N/A	15.8	N/A	N/A	0.0	0.0	N/A
	$	-25.9	0.0	N/A	N/A	N/A	-6.0	-7.6	N/A	40.1	26.0	0.0	0.0	4.3
SALT	VOLUME	0.0	0.0	N/A	N/A	N/A	-9.1	0.0	0.0	8.7	11.1	0.0	0.0	0.0
	$	0.0	0.0	N/A	N/A	N/A	0.0	-4.9	0.0	20.0	16.6	0.0	0.0	0.0
SOAPSTONE, TALC	VOLUME	N/A	0.0	0.0	0.0	N/A	11.6	0.0	0.0	0.0	0.0	0.0	0.0	3.3
	$	4.8	0.0	0.0	0.0	31.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	15.6
SODIUM SULPHATE	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	N/A	0.0	0.0	-5.9
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-9.8	-9.0	N/A	0.0	0.0	-10.2
SULPHUR (ELEMENTAL)	VOLUME	0.0	0.0	0.0	0.0	0.0	N/A	0.0	150.0	-2.9	-4.7	0.0	0.0	-3.0
	$	0.0	0.0	0.0	0.0	0.0	N/A	0.0	224.3	67.8	92.9	0.0	0.0	68.5
SULPHUR SMELTER GAS	VOLUME	0.0	0.0	0.0	-19.3	7.1	1.8	0.0	0.0	0.0	-48.9	0.0	0.0	-2.5
	$	0.0	0.0	0.0	31.4	17.5	8.1	0.0	0.0	0.0	37.5	0.0	0.0	38.8
TOTAL FOR NON-METALLIC MINERAL	$	-19.8	N/A	20.3	32.8	-10.7	-0.3	5.8	2.5	65.8	11.2	0.0	0.0	6.9

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		%	%	%	%	%	%	%	%	%	%	%	%	%
STRUCTURAL MATERIAL														
CEMENT	VOLUME	N/A	0.0	N/A	N/A	13.4	12.9	2.1	0.0	15.5	5.2	0.0	0.0	18.3
	$	14.4	0.0	-13.1	-15.1	7.1	17.6	4.5	2.0	24.0	7.0	0.0	0.0	12.1
CLAY PRODUCTS	VOLUME	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	$	-13.2	0.0	9.9	25.4	-8.7	5.2	0.1	7.0	-4.0	-49.9	0.0	0.0	0.1
LIME	VOLUME	0.0	0.0	0.0	N/A	N/A	0.3	N/A	0.0	-11.9	13.4	0.0	0.0	4.1
	$	0.0	0.0	0.0	N/A	N/A	12.1	-5.3	0.0	9.6	26.4	0.0	0.0	7.7
SAND AND GRAVEL	VOLUME	-17.8	117.0	7.9	24.0	-7.6	-5.5	4.5	17.4	8.3	24.7	-61.5	-6.2	3.5
	$	8.2	138.1	14.5	N/A	N/A	3.3	6.2	28.1	15.9	25.2	-41.3	-75.3	5.1
STONE	VOLUME	7.5	0.0	1.7	17.6	0.6	11.7	96.0	0.0	-12.8	-6.0	0.0	-77.6	7.3
	$	-4.1	0.0	11.2	17.7	8.8	18.6	32.4	0.0	-8.8	-20.3	0.0	-90.6	9.3
TOTAL FOR STRUCTURAL MATERIAL	$	7.1	138.1	4.0	-32.0	-16.7	12.8	8.2	15.4	18.4	8.2	-41.3	-77.0	8.4

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		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
FUELS														
COAL	$ REAL	0.0	0.0	0.3	-19.5	0.0	0.0	0.0	-12.2	-6.8	-14.8	0.0	0.0	-11.4
	$	0.0	0.0	5.3	-15.5	0.0	0.0	0.0	-7.8	-2.2	-10.5	0.0	0.0	-7.0
NATURAL GAS	$ REAL	0.0	0.0	0.0	N/A	0.0	-14.3	0.0	-3.0	-20.4	-23.9	0.0	-4.0	-20.3
	$	0.0	0.0	0.0	N/A	0.0	-10.0	0.0	1.9	-16.4	-20.1	0.0	0.8	-16.3
NATURAL GAS BY-PROD.	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-40.7	-38.8	3.6	0.0	0.0	-38.1
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-37.7	-35.7	8.8	0.0	0.0	-35.0
PETROLEUM, CRUDE	$ REAL	0.0	0.0	0.0	-4.8	0.0	-40.7	-50.2	-49.0	-50.1	-43.4	0.0	-47.2	-49.7
	$	0.0	0.0	0.0	0.0	0.0	-37.7	-47.7	-46.4	-47.6	-40.6	0.0	-44.6	-47.2
TOTAL FOR FUELS	$ REAL	0.0	0.0	0.3	-19.6	0.0	-21.0	-50.2	-45.3	-39.7	-22.7	0.0	-43.0	-38.8
	$	0.0	0.0	5.3	-15.5	0.0	-17.0	-47.7	-42.6	-36.7	-18.8	0.0	-40.1	-35.7

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		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
METALLIC MINERAL														
ANTIMONY	$ REAL	0.0	0.0	0.0	847.4	0.0	0.0	0.0	0.0	0.0	-14.7	0.0	0.0	251.6
	$	0.0	0.0	0.0	884.8	0.0	0.0	0.0	0.0	0.0	-10.5	0.0	0.0	269.2
BISMUTH	$ REAL	0.0	0.0	0.0	-51.6	0.0	0.0	-76.2	0.0	0.0	11.8	N/A	N/A	-41.8
	$	0.0	0.0	0.0	-49.2	0.0	0.0	-75.0	0.0	0.0	17.4	N/A	N/A	-38.9
CADMIUM	$ REAL	0.0	0.0	0.0	-22.3	-56.3	2.0	-38.4	-59.5	0.0	55.7	33.3	-29.7	-7.0
	$	0.0	0.0	0.0	-18.4	-54.1	7.1	-33.2	-57.4	0.0	63.5	40.0	-26.2	-2.3
COBALT	$ REAL	0.0	0.0	0.0	0.0	0.0	-23.6	-35.7	0.0	0.0	0.0	0.0	0.0	-25.6
	$	0.0	0.0	0.0	0.0	0.0	-19.8	-32.5	0.0	0.0	0.0	0.0	0.0	-21.8
COPPER	$ REAL	0.0	0.0	0.0	2.1	-10.8	3.1	-1.8	-32.1	0.0	8.5	105.5	-97.9	3.2
	$	0.0	0.0	0.0	7.2	-6.3	8.3	3.1	-28.6	0.0	13.9	115.8	-97.8	8.4
GOLD	$ REAL	0.0	0.0	0.0	-57.6	9.7	65.2	13.4	-92.5	-1.4	45.7	47.0	17.9	34.8
	$	0.0	0.0	0.0	-55.5	15.2	73.5	19.0	-92.2	3.5	53.0	54.3	23.8	41.6
IRON ORE	$ REAL	-13.7	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	-14.2	0.0	0.0	-2.8
	$	-9.3	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	-9.9	0.0	0.0	2.0
LEAD	$ REAL	0.0	0.0	0.0	24.2	0.0	120.0	-25.5	0.0	0.0	-1.8	2644.2	16.2	26.0
	$	0.0	0.0	0.0	30.4	0.0	131.0	-21.8	0.0	0.0	3.1	2781.6	22.0	32.3
MOLYBDENUM	$ REAL	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	47.9	0.0	0.0	45.9
	$	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	55.3	0.0	0.0	53.2
NICKEL	$ REAL	0.0	0.0	0.0	0.0	0.0	-16.5	-13.7	0.0	0.0	0.0	0.0	0.0	-15.9
	$	0.0	0.0	0.0	0.0	0.0	-12.3	-9.4	0.0	0.0	0.0	0.0	0.0	-11.7
PLATINUM GROUP	$ REAL	0.0	0.0	0.0	0.0	0.0	-8.4	N/A	0.0	0.0	0.0	0.0	0.0	N/A
	$	0.0	0.0	0.0	0.0	0.0	-3.8	N/A	0.0	0.0	0.0	0.0	0.0	N/A
SELENIUM	$ REAL	0.0	0.0	0.0	0.0	21.1	-33.2	8.0	-19.8	0.0	0.0	0.0	0.0	-2.7
	$	0.0	0.0	0.0	0.0	27.1	-29.9	13.4	-15.8	0.0	0.0	0.0	0.0	2.2
SILVER	$ REAL	0.0	0.0	0.0	-0.7	-29.7	-9.4	-26.0	-58.9	0.0	-7.2	22.9	-38.7	-8.8
	$	0.0	0.0	0.0	4.3	-26.2	-4.9	-22.3	-56.9	0.0	-2.5	29.0	-35.7	-4.2
TANTALUM(TA2O5)	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	-33.6	0.0	0.0	0.0	0.0	0.0	-33.6
	$	0.0	0.0	0.0	0.0	0.0	0.0	-30.2	0.0	0.0	0.0	0.0	0.0	-30.2
TELLURIUM	$ REAL	0.0	0.0	0.0	0.0	57.3	-34.7	-61.8	-72.1	0.0	0.0	0.0	0.0	-19.2
	$	0.0	0.0	0.0	0.0	65.2	-31.4	-59.9	-70.7	0.0	0.0	0.0	0.0	-15.2
URANIUM(U)	$ REAL	0.0	0.0	0.0	0.0	0.0	-17.9	0.0	-5.2	0.0	0.0	0.0	0.0	-12.2
	$	0.0	0.0	0.0	0.0	0.0	-13.8	0.0	-0.5	0.0	0.0	0.0	0.0	-7.8
ZINC	$ REAL	-80.8	0.0	0.0	-21.1	-48.0	18.7	-16.2	-48.7	0.0	19.6	N/A	-6.4	-1.8
	$	-79.9	0.0	0.0	-17.1	-45.4	24.6	-12.0	-44.1	0.0	25.6	N/A	-1.7	3.1
TOTAL FOR METALLIC MINERAL	$ REAL	-17.0	0.0	0.0	-8.3	-3.7	-4.8	-10.6	-7.2	-1.4	13.4	192.9	2.1	1.7
	$	-12.9	0.0	0.0	-3.7	1.1	0.0	-6.1	-2.5	3.5	19.1	207.5	7.2	6.8

1986 VS 1985

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
NON-METALLIC MINERAL														
ASBESTOS	$ REAL	-6.1	0.0	0.0	0.0	-0.8	0.0	0.0	0.0	0.0	-16.7	0.0	0.0	-4.1
	$	-1.4	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	-12.5	0.0	0.0	0.7
BARITE	$ REAL	-87.2	0.0	21.3	0.0	0.0	-20.6	0.0	0.0	0.0	-29.7	0.0	0.0	-19.8
	$	-86.5	0.0	27.3	0.0	0.0	-16.7	0.0	0.0	0.0	-26.2	0.0	0.0	-15.8
GEMSTONES	$ REAL	-4.8	0.0	0.0	0.0	0.0	74.7	0.0	0.0	0.0	-49.3	0.0	0.0	-32.4
	$	0.0	0.0	0.0	0.0	0.0	83.5	0.0	0.0	0.0	-46.7	0.0	0.0	-29.0
GYPSUM	$ REAL	-14.0	0.0	2.4	0.0	0.0	11.0	2.3	0.0	0.0	-6.8	0.0	0.0	2.3
	$	-9.7	0.0	7.6	0.0	0.0	16.6	7.5	0.0	0.0	-2.1	0.0	0.0	7.4
MEGNESITIC DOLOMITE	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEPHELINE SYENITE	$ REAL	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	4.5
	$	0.0	0.0	0.0	0.0	0.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	9.7
PEAT	$ REAL	87.3	0.0	-31.6	19.5	7.9	-28.4	24.5	47.8	-2.0	-4.8	0.0	0.0	11.0
	$	96.7	0.0	-28.1	25.4	13.3	-24.8	30.7	55.2	2.9	0.0	0.0	0.0	16.5
POTASH(K2O)	$ REAL	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	0.0	0.0	0.0	0.0	-12.4
	$	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	0.0	0.0	0.0	0.0	-8.0
QUARTZ	$ REAL	-3.8	0.0	N/A	0.0	-1.8	6.4	1.0	0.0	-3.3	-16.5	0.0	0.0	-0.6
	$	1.0	0.0	N/A	0.0	3.2	11.7	6.1	0.0	1.5	-12.3	0.0	0.0	4.4
SALT	$ REAL	0.0	0.0	N/A	N/A	N/A	10.3	0.0	-1.0	17.5	0.0	0.0	0.0	6.8
	$	0.0	0.0	N/A	N/A	N/A	15.9	0.0	3.9	23.4	0.0	0.0	0.0	12.2
SOAPSTONE, TALC	$ REAL	-28.2	0.0	0.0	0.0	2.1	9.5	0.0	.0.0	0.0	0.0	0.0	0.0	3.4
	$	-24.6	0.0	0.0	0.0	7.2	15.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6
SODIUM SULPHATE	$ REAL	0.0	0.0	0.0	0.0	0.0	N/A	N/A	-7.7	7.4	0.0	0.0	0.0	-6.1
	$	0.0	0.0	0.0	0.0	0.0	N/A	N/A	-3.0	12.8	0.0	0.0	0.0	-1.4
SULPHUR (ELEMENTAL)	$ REAL	0.0	0.0	0.0	0.0	0.0	N/A	N/A	52.8	-16.2	50.7	0.0	0.0	-14.0
	$	0.0	0.0	0.0	0.0	0.0	N/A	N/A	60.4	-12.0	58.2	0.0	0.0	-9.7
SULPHUR SMELTER GAS	$ REAL	0.0	0.0	0.0	-19.6	-67.4	-12.1	-25.5	0.0	0.0	-26.2	-58.3	-39.7	-26.1
	$	0.0	0.0	0.0	-15.6	-65.8	-7.7	-21.8	0.0	0.0	-22.5	-56.2	-36.6	-22.4
TOTAL FOR NON-METALLIC MINERAL	$ REAL	-12.9	0.0	-31.6	2.6	-11.2	5.2	20.2	-2.7	-15.3	25.6	-58.3	-39.7	-10.5
	$	-8.5	0.0	-28.1	7.7	-6.7	10.5	26.2	2.2	-11.0	31.9	-56.2	-36.6	-6.0

1986 VS 1985

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
STRUCTURAL MATERIAL														
CEMENT	$ REAL	0.9	0.0	-7.6	-35.3	4.0	1.4	22.9	-1.0	-20.1	0.2	0.0	0.0	-2.2
	$	5.9	0.0	-3.0	-32.0	9.2	6.5	29.1	4.0	-16.1	5.2	0.0	0.0	2.7
CLAY PRODUCTS	$ REAL	5.0	0.0	4.1	-23.2	58.2	7.7	9.4	1.4	23.6	133.9	0.0	0.0	17.8
	$	10.3	0.0	9.4	-19.3	66.1	13.1	14.9	6.5	29.8	145.6	0.0	0.0	23.7
LIME	$ REAL	0.0	0.0	0.0	N/A	N/A	21.6	-12.1	0.0	36.2	14.3	0.0	0.0	18.6
	$	0.0	0.0	0.0	N/A	N/A	27.7	-7.7	0.0	43.0	20.1	0.0	0.0	24.6
SAND AND GRAVEL	$ REAL	0.9	-15.5	0.0	N/A	N/A	2.0	-1.5	-12.2	-15.5	-5.7	176.6	-49.4	-7.1
	$	6.0	-11.3	5.0	N/A	N/A	7.1	3.4	-7.8	-11.2	-1.0	190.5	-46.8	-2.4
STONE	$ REAL	-22.1	0.0	-10.5	-13.3	-2.0	-1.0	-21.0	0.0	-10.6	-5.3	0.0	97.5	-3.3
	$	-18.2	0.0	-6.0	-9.0	2.9	3.9	-17.0	0.0	-6.1	-0.5	0.0	107.4	1.5
TOTAL FOR STRUCTURAL MATERIAL	$ REAL	-1.7	-15.5	-5.0	-24.2	4.4	4.2	4.1	-7.0	-14.1	-0.7	176.6	-42.6	-0.8
	$	3.2	-11.3	-0.3	-20.4	9.6	9.4	9.3	-2.3	-9.8	4.3	190.5	-39.7	4.2

1985 VS 1984

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
FUELS														
COAL	$ REAL	0.0	0.0	-0.7	1.9	0.0	0.0	0.0	-17.9	-6.2	2.9	0.0	0.0	-1.2
	$	0.0	0.0	3.3	6.0	0.0	0.0	0.0	-14.6	-2.4	7.1	0.0	0.0	2.8
NATURAL GAS	$ REAL	0.0	0.0	0.0	-30.6	0.0	1.8	0.0	20.6	-4.3	18.9	0.0	12.2	-2.6
	$	0.0	0.0	0.0	-27.8	0.0	6.0	0.0	25.5	-0.4	23.7	0.0	18.8	1.3
NATURAL GAS BY-PROD.	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-10.0	-5.2	-5.6	0.0	0.0	-5.3
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-6.3	-1.3	-1.8	0.0	0.0	-1.4
PETROLEUM, CRUDE	$ REAL	0.0	0.0	0.0	-3.9	0.0	37.6	2.3	4.5	-2.5	-4.6	0.0	858.8	-0.7
	$	0.0	0.0	0.0	0.0	0.0	43.2	6.4	8.7	1.5	-0.7	0.0	895.9	3.4
TOTAL FOR FUELS	$ REAL	0.0	0.0	-0.7	1.8	0.0	9.0	2.3	3.7	-3.4	4.6	0.0	450.4	-1.6
	$	0.0	0.0	3.3	6.0	0.0	13.4	6.4	8.0	0.6	8.9	0.0	472.9	2.4

1985 VS 1984

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
METALLIC MINERAL														
ANTIMONY	$ REAL	0.0	0.0	0.0	119.7	0.0	0.0	0.0	0.0	0.0	83.8	0.0	0.0	96.7
	$	0.0	0.0	0.0	128.7	0.0	0.0	0.0	0.0	0.0	91.3	0.0	0.0	104.7
BISMUTH	$ REAL	0.0	0.0	0.0	71.0	0.0	0.0	284.3	0.0	0.0	452.7	428.4	69.5	93.6
	$	0.0	0.0	0.0	78.0	0.0	0.0	300.0	0.0	0.0	475.2	450.0	76.5	101.5
CADMIUM	$ REAL	0.0	0.0	0.0	-45.7	-0.2	-20.3	-11.9	-44.9	0.0	22.3	-46.6	-19.5	-16.2
	$	0.0	0.0	0.0	-43.5	3.9	-17.0	-8.3	-42.7	0.0	27.3	-44.4	-16.2	-12.8
COBALT	$ REAL	0.0	0.0	0.0	0.0	0.0	56.8	-11.7	0.0	0.0	0.0	0.0	0.0	39.5
	$	0.0	0.0	0.0	0.0	0.0	63.2	-8.1	0.0	0.0	0.0	0.0	0.0	45.2
COPPER	$ REAL	N/A	0.0	0.0	-12.4	9.7	-2.5	3.1	4.6	0.0	7.6	0.0	-66.0	2.9
	$	N/A	0.0	0.0	-8.8	14.1	1.5	7.4	8.9	0.0	12.0	0.0	-64.6	7.2
GOLD	$ REAL	N/A	0.0	0.0	-67.6	-6.2	2.6	-10.5	6.7	54.0	-21.7	-7.7	-11.0	-6.2
	$	N/A	0.0	0.0	-66.3	-2.4	6.8	-6.8	11.0	60.3	-18.5	-3.9	-7.3	-2.4
IRON ORE	$ REAL	-12.6	0.0	0.0	0.0	N/A	-5.5	0.0	0.0	0.0	-36.7	0.0	0.0	-21.1
	$	-9.0	0.0	0.0	0.0	N/A	-1.6	0.0	0.0	0.0	-34.1	0.0	0.0	-17.8
LEAD	$ REAL	N/A	0.0	0.0	-28.5	0.0	-71.0	-32.1	0.0	0.0	3.0	-47.1	-35.9	-23.7
	$	N/A	0.0	0.0	-25.5	0.0	-69.8	-29.3	0.0	0.0	7.2	-44.9	-33.2	-20.6
MOLYBDENUM	$ REAL	0.0	0.0	0.0	0.0	126.3	0.0	0.0	0.0	0.0	-34.8	0.0	0.0	-32.7
	$	0.0	0.0	0.0	0.0	135.5	0.0	0.0	0.0	0.0	-32.1	0.0	0.0	-30.0
NICKEL	$ REAL	0.0	0.0	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.7
	$	0.0	0.0	0.0	0.0	0.0	4.9	4.2	0.0	0.0	0.0	0.0	0.0	4.8
PLATINUM GROUP	$ REAL	0.0	0.0	0.0	0.0	0.0	12.3	N/A	0.0	0.0	0.0	0.0	0.0	N/A
	$	0.0	0.0	0.0	0.0	0.0	16.9	N/A	0.0	0.0	0.0	0.0	0.0	N/A
SELENIUM	$ REAL	0.0	0.0	0.0	0.0	-46.7	128.0	-46.1	-40.0	0.0	0.0	0.0	0.0	-24.1
	$	0.0	0.0	0.0	0.0	-44.5	137.3	-43.9	-37.6	0.0	0.0	0.0	0.0	-21.0
SILVER	$ REAL	N/A	0.0	0.0	-37.8	0.7	-31.2	-12.9	-18.6	0.0	-19.1	-33.2	-57.1	-28.8
	$	N/A	0.0	0.0	-35.3	4.9	-28.4	-9.4	-15.3	0.0	-15.8	-30.4	-55.4	-25.9
TANTALUM(TA2O5)	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TELLURIUM	$ REAL	0.0	0.0	0.0	0.0	-27.1	2.5	169.7	203.0	0.0	0.0	0.0	0.0	21.3
	$	0.0	0.0	0.0	0.0	-24.1	6.7	180.7	215.4	0.0	0.0	0.0	0.0	26.2
URANIUM(U)	$ REAL	0.0	0.0	0.0	0.0	0.0	-2.6	0.0	21.1	0.0	0.0	0.0	0.0	6.8
	$	0.0	0.0	0.0	0.0	0.0	1.4	0.0	26.0	0.0	0.0	0.0	0.0	11.2
ZINC	$ REAL	-34.2	0.0	0.0	-27.4	11.4	-26.9	13.4	-21.3	0.0	-3.1	-46.1	-11.5	-17.0
	$	-31.6	0.0	0.0	-24.4	16.0	-23.9	18.0	-18.1	0.0	0.9	-43.9	-7.9	-13.6
TOTAL FOR METALLIC MINERAL	$ REAL	-14.8	0.0	0.0	-28.9	-38.4	-4.3	1.7	19.3	54.0	-4.3	-16.1	-15.2	-9.9
	$	-11.3	0.0	0.0	-26.0	-35.8	-0.4	5.8	24.2	60.3	-0.4	-12.7	-11.7	-6.2

1985 VS 1984

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
NON-METALLIC MINERAL														
ASBESTOS	$ REAL	-30.8	0.0	0.0	0.0	-22.9	0.0	0.0	0.0	0.0	-27.8	0.0	0.0	-24.4
	$	-27.9	0.0	0.0	0.0	-19.7	0.0	0.0	0.0	0.0	-24.7	0.0	0.0	-21.3
BARITE	$ REAL	-85.1	0.0	-43.4	0.0	0.0	15.3	0.0	0.0	0.0	-8.8	0.0	0.0	-24.2
	$	-84.5	0.0	-41.0	0.0	0.0	20.0	0.0	0.0	0.0	-5.1	0.0	0.0	-21.1
GEMSTONES	$ REAL	0.0	0.0	0.0	0.0	0.0	36.0	0.0	0.0	0.0	-34.8	0.0	0.0	-29.3
	$	0.0	0.0	0.0	0.0	0.0	41.6	0.0	0.0	0.0	-32.2	0.0	0.0	-26.4
GYPSUM	$ REAL	28.7	0.0	18.3	0.0	0.0	13.8	3.8	0.0	0.0	9.8	0.0	0.0	17.2
	$	34.0	0.0	23.2	0.0	0.0	18.4	8.1	0.0	0.0	14.3	0.0	0.0	22.0
MAGNESITIC DOLOMITE	$ REAL	0.0	0.0	0.0	0.0	-18.6	0.0	0.0	0.0	0.0	709.7	0.0	0.0	139.1
	$	0.0	0.0	0.0	0.0	-15.3	0.0	0.0	0.0	0.0	742.8	0.0	0.0	148.8
NEPHELINE SYENITE	$ REAL	0.0	0.0	0.0	0.0	0.0	-4.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PEAT	$ REAL	164.2	N/A	8.0	28.7	22.4	-3.5	3.2	15.2	58.4	-93.5	0.0	0.0	18.1
	$	175.0	N/A	12.4	34.0	27.4	0.4	7.4	19.9	64.8	-93.3	0.0	0.0	23.0
POTASH(K2O)	$ REAL	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	0.0	0.0	0.0	0.0	-30.3
	$	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	0.0	0.0	0.0	0.0	-27.4
QUARTZ	$ REAL	-28.8	0.0	N/A	N/A	N/A	-9.7	-11.2	0.0	34.6	21.1	0.0	0.0	0.3
	$	-25.9	0.0	N/A	N/A	N/A	-6.0	-7.6	0.0	40.1	26.0	0.0	0.0	4.3
SALT	$ REAL	0.0	0.0	N/A	N/A	N/A	-8.7	0.0	15.3	12.1	0.0	0.0	0.0	-1.6
	$	0.0	0.0	0.0	0.0	0.0	-4.9	0.0	20.0	16.6	0.0	0.0	0.0	2.5
SOAPSTONE, TALC	$ REAL	0.7	0.0	0.0	0.0	26.4	8.7	0.0	0.0	0.0	0.0	0.0	0.0	11.0
	$	4.8	0.0	0.0	0.0	31.6	13.2	0.0	0.0	0.0	0.0	0.0	0.0	15.6
SODIUM SULPHATE	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-13.3	-12.6	N/A	0.0	0.0	-13.7
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-9.8	-9.0	N/A	0.0	0.0	-10.2
SULPHUR (ELEMENTAL)	$ REAL	0.0	0.0	0.0	0.0	0.0	N/A	0.0	211.6	61.2	85.3	0.0	0.0	61.9
	$	0.0	0.0	0.0	0.0	0.0	N/A	0.0	224.3	67.8	92.9	0.0	0.0	68.5
SULPHUR SMELTER GAS	$ REAL	0.0	0.0	0.0	26.2	12.9	3.9	0.0	0.0	0.0	32.1	0.0	0.0	31.2
	$	0.0	0.0	0.0	31.4	17.5	8.1	0.0	0.0	0.0	37.5	0.0	0.0	36.6
TOTAL FOR NON-METALLIC MINERAL	$ REAL	-22.9	-100.0	15.6	27.6	-14.2	-4.2	1.7	-1.5	59.3	6.9	0.0	0.0	2.7
	$	-19.8	-100.0	20.3	32.8	-10.7	-0.3	5.8	2.5	65.8	11.2	0.0	0.0	6.9

1985 VS 1984

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
STRUCTURAL MATERIAL														
CEMENT	$ REAL	9.9	0.0	-18.5	-18.4	2.9	13.0	0.4	-2.0	18.1	2.8	0.0	0.0	7.7
	$	14.4	0.0	-13.1	-15.1	7.1	17.6	4.5	2.0	24.0	7.0	0.0	0.0	12.1
CLAY PRODUCTS	$ REAL	-16.8	0.0	5.6	20.4	-12.2	1.1	-3.8	2.8	-7.8	-51.8	0.0	0.0	-3.9
	$	-13.2	0.0	9.9	25.4	-8.7	5.2	0.1	7.0	-4.0	-49.9	0.0	0.0	0.1
LIME	$ REAL	0.0	0.0	0.0	N/A	N/A	7.7	-9.0	0.0	5.3	21.4	0.0	0.0	3.5
	$	0.0	0.0	0.0	N/A	N/A	12.1	-5.3	0.0	9.6	26.4	0.0	0.0	7.7
SAND AND GRAVEL	$ REAL	3.9	128.8	10.0	N/A	N/A	-0.8	2.1	23.1	11.3	20.3	-43.8	-78.2	1.0
	$	8.2	138.1	14.5	N/A	N/A	3.3	6.2	28.1	15.9	25.2	-41.3	-75.3	5.1
STONE	$ REAL	-7.8	0.0	6.9	13.1	2.6	13.9	27.2	0.0	-12.4	-23.4	0.0	-91.0	5.0
	$	-4.1	0.0	11.2	17.7	6.8	18.6	32.4	0.0	-8.8	-20.3	0.0	-90.8	9.3
TOTAL FOR STRUCTURAL MATERIAL	$ REAL	2.9	128.8	-0.1	-34.7	-20.0	8.3	3.9	10.8	13.8	3.9	-43.8	-77.9	4.1
	$	7.1	138.1	4.0	-32.0	-16.7	12.8	8.2	15.4	18.4	8.2	-41.3	-77.0	8.4

NOTE ABOUT GRAPHS

THE GRAPHS BEGINNING NEXT IN THIS REPORT ARE INTENDED TO PROVIDE A QUICK VISUAL INDICATION OF THE TREND OF MINERAL PRODUCTION IN ONTARIO. BECAUSE OF THE COARSE RESOLUTION WHEN PLOTTING ON A 132X132 GRID THE XY POSITION OF A SYMBOL ON THE GRAPH DOES NOT NECESSARILY CORRESPOND EXACTLY WITH THE TABLES OF HISTORICAL STATISTICS. THE TABLES SHOULD BE CONSULTED FOR ACCURATE VOLUME AND VALUE STATISTICS.

SINCE THE HISTORICAL SERIES SPAN MANY YEARS THE PLOTTING PROGRAMS MUST COMPRESS THE HORIZONTAL SCALE AND IN SO DOING LABEL IT WITH YEARS WHICH MAY NOT EXIST IN THE TABLE OF STATISTICS. EVEN SO THE TRENDS ARE ACCURATELY PLOTTED WITHIN ACCEPTABLE TOLERANCES FOR TREND LINE ANALYSIS.

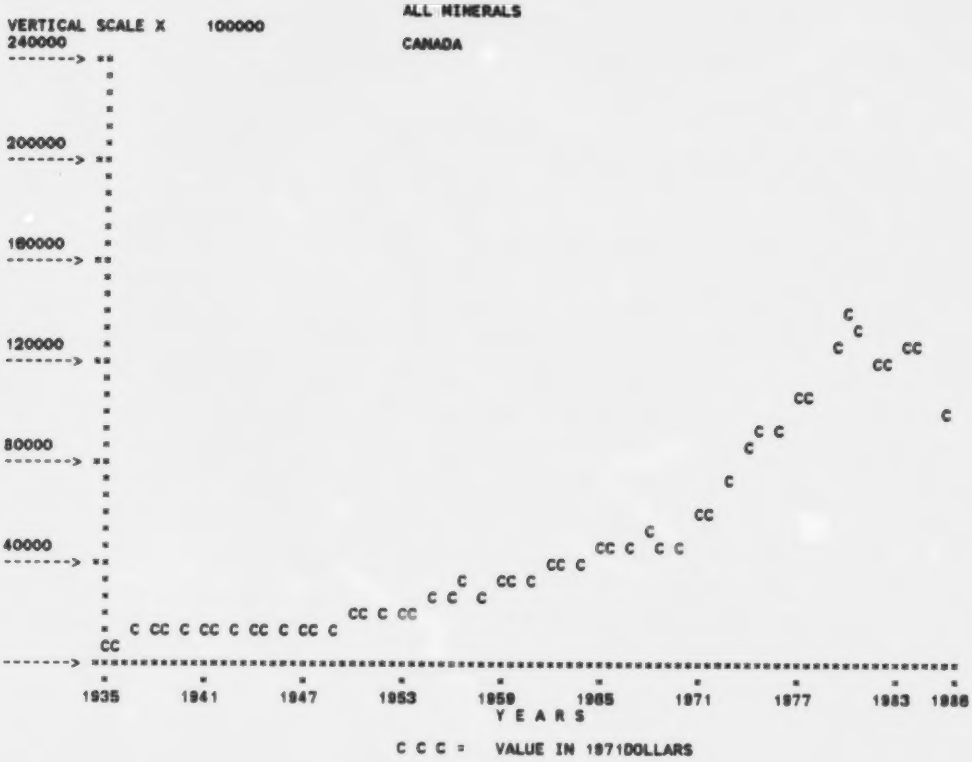
SIX SERIES OF DATA HAVE BEEN UPDATED AND ARE CONTINUED IN THE 1986 SCORE.

ONTARIO PRODUCTION:

- TOTAL VALUE OF PRODUCTION OF FUELS
- TOTAL VALUE OF PRODUCTION OF METALS
- TOTAL VALUE OF PRODUCTION OF NON-METALS
- TOTAL VALUE OF PRODUCTION OF STRUCTURAL MATERIAL
- TOTAL VALUE OF PRODUCTION OF ALL MINERALS

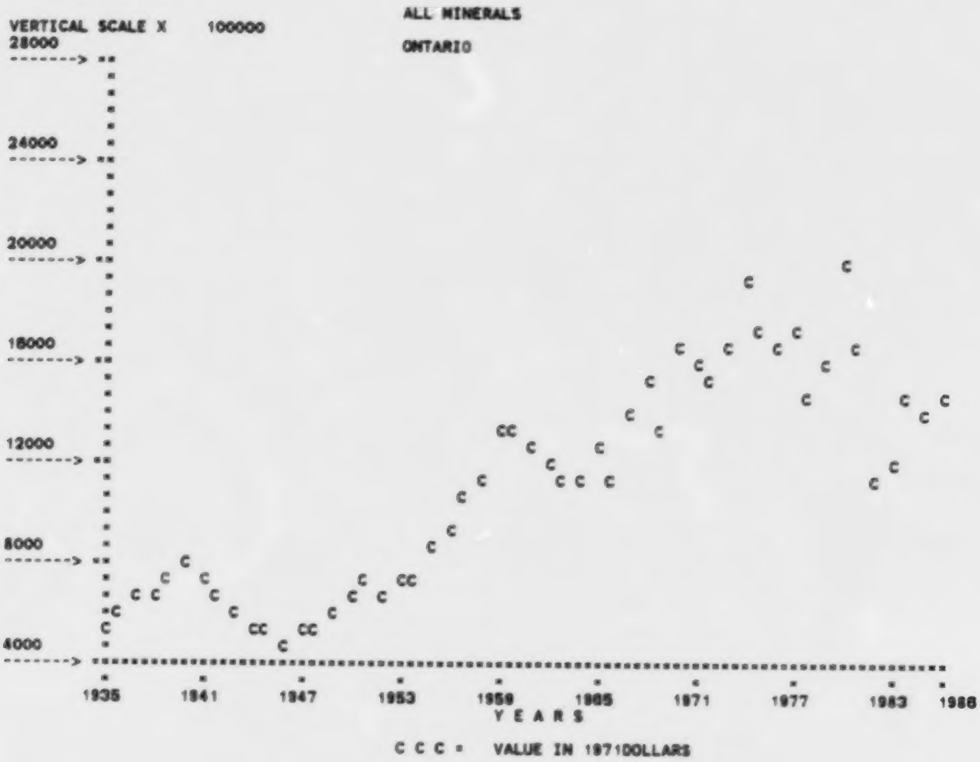
CANADA PRODUCTION:

- TOTAL VALUE OF PRODUCTION OF ALL MINERALS


ALL MINERALS
CANADA
VERTICAL SCALE X 100000
240000
200000
160000
120000
80000
40000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF ALL MINERALS IN CANADA

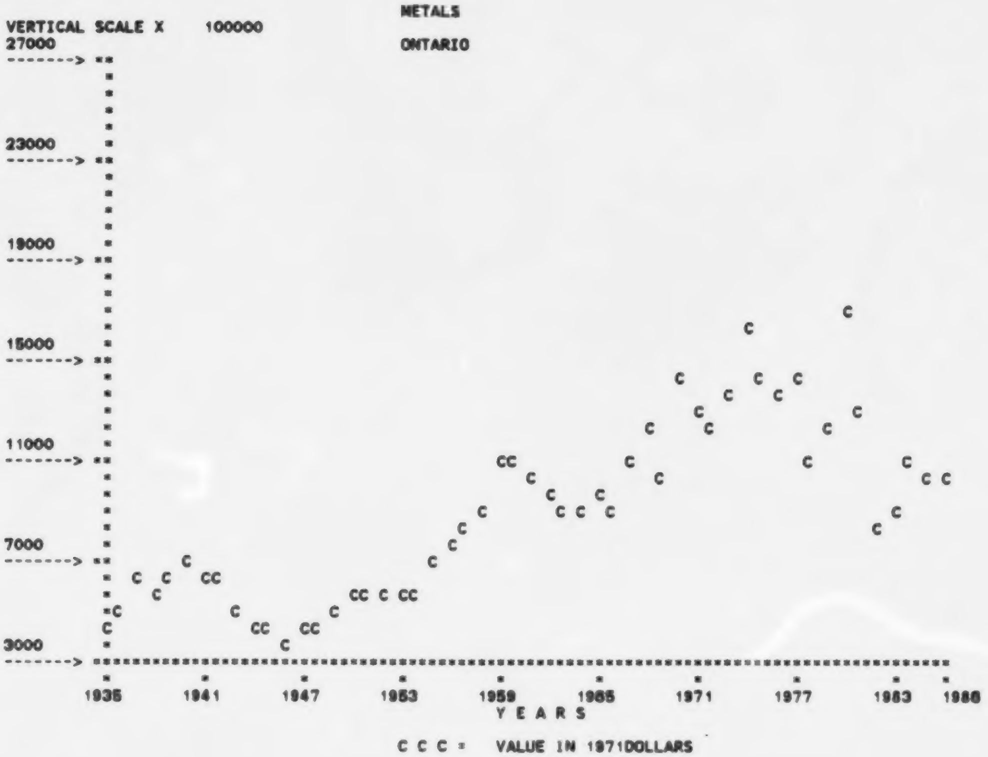
	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	N/A	N/A	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/N/A
1905	0	0	69917264	185881290	611921208	.00
1906	0	0	76814297	213373048	702424072	.00
1907	0	0	83992495	233312488	768064704	.00
1908	0	0	82563629	229343414	754998520	.00
1909	0	0	89185137	247736492	815548536	.00
1910	0	0	104174377	289373272	952616808	.00
1911	0	0	101533984	282038844	928471880	.00
1912	0	0	132729703	368693620	1213739392	.00
1913	0	0	142459059	395719612	1302708960	.00
1914	0	0	126093527	350259800	1153058248	.00
1915	0	0	133958796	372107768	1224978768	.00
1916	0	0	173652482	482368008	1587956472	.00
1917	0	0	184762407	513228912	1689549584	.00
1918	0	0	203683098	565786384	1862568784	.00
1919	0	0	175183425	486620632	1601955104	.00
1920	0	0	225142141	625394840	2058799808	.00
1921	0	0	169212987	470036080	1547358768	.00
1922	0	0	183182569	508840476	1675102832	.00
1923	0	0	212116681	589213008	1939689216	.00
1924	0	0	207486208	576350584	1897346112	.00
1925	0	0	225058230	625161752	2058032480	.00
1926	0	0	238656556	653853584	2152485984	.00
1927	0	0	245658283	680493864	2240185792	.00
1928	0	0	273056412	760602816	2503904480	.00
1929	0	0	308605460	847817192	2791014208	.00
1930	0	0	277863445	764924984	2583973056	.00
1931	0	0	228475126	686111480	2258678976	.00
1932	0	0	189720656	630301184	2074951504	.00
1933	0	0	220215177	743970200	2449149920	.00
1934	0	0	275424375	918081256	3022323520	.00
1935	0	0	309246268	1027396248	3382188448	.00
1936	0	0	358275890	1152012528	3792425216	.00
1937	0	0	452709065	1414715824	4657244480	.00
1938	0	0	438775200	1369201248	4507410496	.00
1939	0	0	468169576	1476875632	4861874624	.00
1940	0	0	523726872	1582256416	5208788160	.00
1941	0	0	552331436	1547146896	5093207616	.00
1942	0	0	552378421	1480907296	4875146816	.00
1943	0	0	516623389	1338402576	4406021248	.00
1944	0	0	479305853	1201267808	3954573600	.00
1945	0	0	477097224	1169355936	3849519776	.00
1946	0	0	495459420	1179665296	3883458112	.00
1947	0	0	638421870	1396984400	4598872640	.00
1948	0	0	812573509	1583963968	5214409344	.00
1949	0	0	890915738	1662156224	5471818368	.00
1950	0	0	1034622267	1887996810	6215285568	.00
1951	0	0	1234161537	2019904320	6649525056	.00
1952	0	0	1274548700	2000861392	6586835776	.00
1953	0	0	1325028853	2083378704	6858482624	.00
1954	0	0	1448323241	2241986432	7380619392	.00
1955	0	0	1757043056	2703143168	8898747392	.00
1956	0	0	2060947650	3057785856	10066231040	.00
1957	0	0	2174925041	3161228256	10406763392	.00
1958	0	0	2092364735	2997657216	9868287488	.00
1959	0	0	2400619601	3371656768	11099494144	.00
1960	0	0	2475964276	3434069728	11304957568	.00
1961	0	0	2601963839	3588915616	11814710272	.00
1962	0	0	2839268752	3862950720	12716833792	.00
1963	0	0	3026167760	4045678816	13318374528	.00
1964	0	0	3363621440	4385425664	14436821248	.00
1965	0	0	3713412186	4694579264	15454554880	.00
1966	0	0	3979638366	4812138304	15841559424	.00
1967	0	0	4377692128	5096265600	16776906368	.00
1968	0	0	4720161533	5321489920	17518344704	.00
1969	0	0	4733221886	5105956736	16808809600	.00
1970	0	0	4731179550	4887582144	16089920512	.00
1971	0	0	5962464784	5962464768	19628433920	.00
1972	0	0	6407793173	6108477760	20109108992	.00
1973	0	0	8365937888	7357904960	24222223104	.00
1974	0	0	11711004298	9050235264	29793374720	.00
1975	0	0	13524124975	9231484672	30390047744	.00
1976	0	0	15689676644	9781593984	32201007360	.00
1977	0	0	18472943179	10758848512	35418129408	.00
1978	0	0	20205143515	11058191808	36406659264	.00
1979	0	0	26081891002	12995461376	42781059072	.00
1980	0	0	31785028425	14272576768	46985322496	.00
1981	0	0	32420159000	13162874112	43332182016	.00
1982	0	0	33831494000	12338254464	40617533952	.00
1983	0	0	38539005000	13266438898	43685017007	.00
1984	0	0	43692646000	14647216225	48225878587	.00
1985	0	0	44638245000	14238874641	46888912815	.00
1986	0	0	33834465000	10277783936	33834465000	.00
TOTAL	0	0		285169438768	938822132865	


VERTICAL SCALE X 100000
ALL MINERALS
ONTARIO
28000
24000
20000
16000
12000
8000
4000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1988
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF ALL MINERALS IN ONTARIO

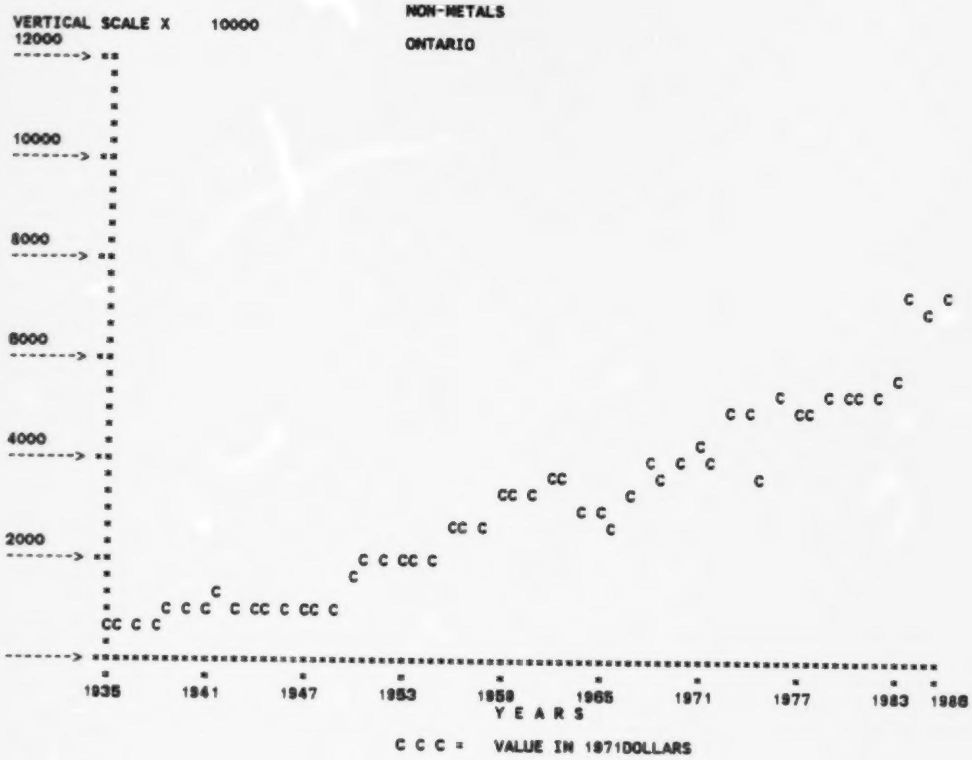
	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	N/A	N/A	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/N/A
1905	0	0	10685553	29682091	97713448	.00
1906	0	0	14461983	40172175	132246800	.00
1907	0	0	16503074	45841872	150911444	.00
1908	0	0	20899732	58054811	191116438	.00
1909	0	0	26903660	74732389	246019024	.00
1910	0	0	32187425	89409514	294336120	.00
1911	0	0	34014673	94485203	311045288	.00
1912	0	0	39845957	110683214	364369140	.00
1913	0	0	44251770	122921584	404657852	.00
1914	0	0	38912473	108090203	355832948	.00
1915	0	0	52255995	145155542	477852044	.00
1916	0	0	63394565	176096014	579708080	.00
1917	0	0	69356291	192656364	634224752	.00
1918	0	0	77884925	216347014	712214388	.00
1919	0	0	56688702	157468618	518386688	.00
1920	0	0	70779524	196609790	647239424	.00
1921	0	0	52938687	147051910	484094884	.00
1922	0	0	66217438	183937328	605521688	.00
1923	0	0	69152899	192091388	632364848	.00
1924	0	0	75238750	208990974	687998280	.00
1925	0	0	87190756	242196546	797311024	.00
1926	0	0	84104882	230424336	758556912	.00
1927	0	0	88423585	244940678	806344712	.00
1928	0	0	98212021	273571088	900596024	.00
1929	0	0	115892814	318386848	1048129512	.00
1930	0	0	111492194	314949700	1036814416	.00
1931	0	0	96960622	291173036	958541624	.00
1932	0	0	85191139	283027040	931725016	.00
1933	0	0	109069116	368476744	1213025456	.00
1934	0	0	145124243	483747480	1592496720	.00
1935	0	0	158891417	527878468	1737775920	.00
1936	0	0	183939548	591445496	1947038560	.00
1937	0	0	228191236	713097616	2347517344	.00
1938	0	0	211388132	662658720	2181472480	.00
1939	0	0	232441390	733253592	2413870848	.00
1940	0	0	260759211	787792184	2593411904	.00
1941	0	0	266693096	747039488	2459253984	.00
1942	0	0	258192167	692204200	2278736224	.00
1943	0	0	231354609	599364280	1973107200	.00
1944	0	0	211684133	530536676	1746526736	.00
1945	0	0	215547823	528303492	1739175088	.00
1946	0	0	190269424	453022440	1491349872	.00
1947	0	0	249111450	545101640	1794474608	.00
1948	0	0	294150680	573393136	1887610224	.00
1949	0	0	323727847	603969872	1988268816	.00
1950	0	0	371142655	677267616	2229564992	.00
1951	0	0	450620916	737513776	2427895360	.00
1952	0	0	450653835	707462848	2328967744	.00
1953	0	0	471374769	741155296	2439883232	.00
1954	0	0	501676594	776589152	2556531488	.00
1955	0	0	590439445	908368384	2990348736	.00
1956	0	0	658951069	977672216	3218496960	.00
1957	0	0	758384087	1102302448	3628779648	.00
1958	0	0	800281658	1146535328	3774394272	.00
1959	0	0	979667060	1375936896	4529584256	.00
1960	0	0	982158425	1362216944	4484418240	.00
1961	0	0	943593336	1301508048	4284564480	.00
1962	0	0	913443698	1242780544	4091233536	.00
1963	0	0	874330039	1168890416	3847987232	.00
1964	0	0	904931603	1179832608	3884008928	.00
1965	0	0	992957355	1255319024	4132510240	.00
1966	0	0	957817788	1158183552	3812740256	.00
1967	0	0	1194497055	1390567008	4577746560	.00
1968	0	0	1355580143	1528275248	5031082112	.00
1969	0	0	1223346337	1319683216	4344397120	.00
1970	0	0	1635066192	1689117968	5560576384	.00
1971	0	0	1598769848	1598769856	5263150336	.00
1972	0	0	1598837060	1524153536	5017513472	.00
1973	0	0	1919903215	1688569232	5558769920	.00
1974	0	0	2526950183	1952820864	6428686336	.00
1975	0	0	2521438979	1721118768	5665923008	.00
1976	0	0	2709039105	1688927120	5559948096	.00
1977	0	0	2974269617	1732247872	5702560000	.00
1978	0	0	2682787064	1468411088	4834009280	.00
1979	0	0	3239949428	1614324576	5314366480	.00
1980	0	0	4551766332	2043900464	6728520320	.00
1981	0	0	4130872231	1677171024	5521247040	.00
1982	0	0	3100052726	1130580864	3721872224	.00
1983	0	0	3588442836	1235264320	4066490144	.00
1984	0	0	4420324925	1467571344	4831244928	.00
1985	0	0	4535693641	1446792224	4762840000	.00
1986	0	0	* 4777263000	1451173440	4777263000	.00
TOTAL	0	0		64119407922	211081091140	

* INCLUDES $1954000 OTHER MINERALS


VERTICAL SCALE X 100000
METALS
ONTARIO
27000
23000
19000
15000
11000
7000
3000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

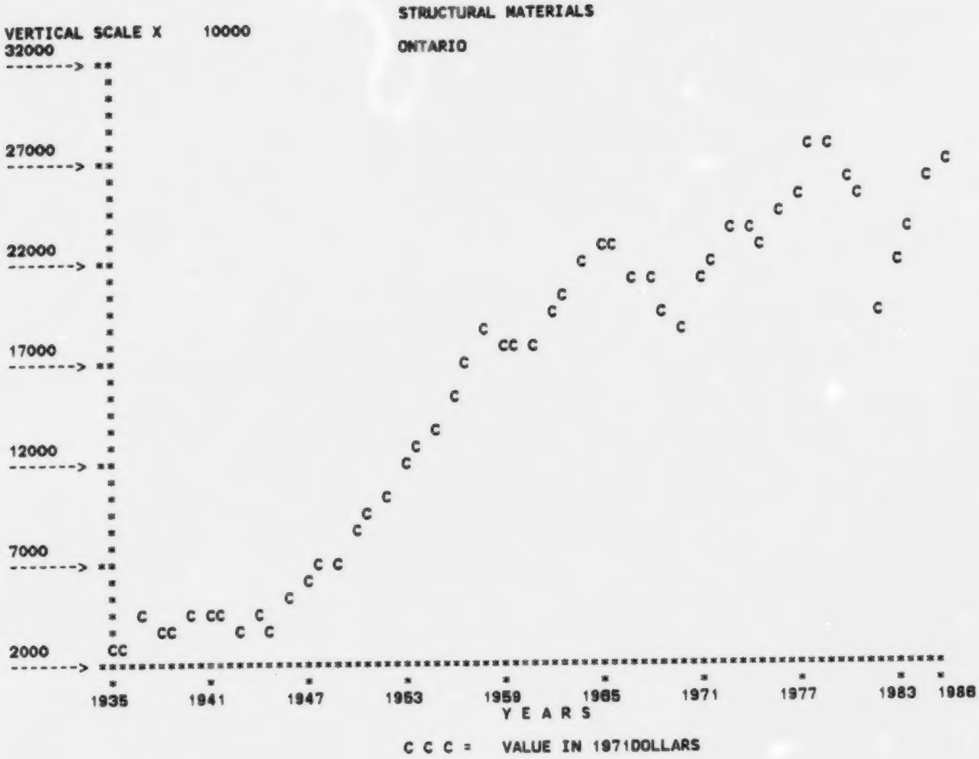
VOLUME AND VALUE OF PRODUCTION OF METALS IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	N/A	N/A	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/N/A
1905	0	0	5891471	16365197	53874229	.00
1906	0	0	9042295	25117486	82688764	.00
1907	0	0	10105925	28072014	92413070	.00
1908	0	0	12839136	35664267	117408766	.00
1909	0	0	17346183	48183842	158621206	.00
1910	0	0	21647054	60130706	197950284	.00
1911	0	0	21781377	60503825	199178592	.00
1912	0	0	26937675	74826875	246330074	.00
1913	0	0	29068886	80746906	265818814	.00
1914	0	0	26672202	74089450	243902470	.00
1915	0	0	42485567	118015464	388506908	.00
1916	0	0	53646433	149017870	490566828	.00
1917	0	0	56112136	155867046	513114312	.00
1918	0	0	65078330	180773140	595105176	.00
1919	0	0	40883401	113565003	373855992	.00
1920	0	0	47871985	132977737	437762708	.00
1921	0	0	28687467	79687409	262330948	.00
1922	0	0	39921577	110893270	365060644	.00
1923	0	0	44009497	122248603	402442400	.00
1924	0	0	51930580	144251612	474878304	.00
1925	0	0	63774818	177152274	583185280	.00
1926	0	0	59781851	163785894	539183168	.00
1927	0	0	62625272	173477208	571086968	.00
1928	0	0	71303096	198615866	653843432	.00
1929	0	0	83879265	230437540	758600384	.00
1930	0	0	82291280	232461242	765262408	.00
1931	0	0	74941821	225050512	740866280	.00
1932	0	0	69357166	230422480	758550800	.00
1933	0	0	95046002	321101360	1057065680	.00
1934	0	0	129158140	430527136	1417295344	.00
1935	0	0	142836526	474539956	1562185536	.00
1936	0	0	165202134	531196576	1748699120	.00
1937	0	0	203608951	636277976	2094627104	.00
1938	0	0	189969790	595516584	1960440576	.00
1939	0	0	208737693	658478528	2167711328	.00
1940	0	0	232460493	702297568	2311963616	.00
1941	0	0	238823397	663370864	2183816896	.00
1942	0	0	230355817	617575912	2033059920	.00
1943	0	0	204858655	530721912	1747136528	.00
1944	0	0	183811789	460681180	1516562432	.00
1945	0	0	188064878	460943328	1517425440	.00
1946	0	0	156495142	372607484	1226623824	.00
1947	0	0	207607525	454283428	1495501040	.00
1948	0	0	245304738	478176876	1574158288	.00
1949	0	0	266755347	497677892	1638355616	.00
1950	0	0	302524798	552052552	1817357008	.00
1951	0	0	367540345	601539024	1980266480	.00
1952	0	0	361140185	566939064	1866363424	.00
1953	0	0	369244241	580572704	1911245344	.00
1954	0	0	393961957	609848224	2007620368	.00
1955	0	0	469771064	722724712	2379209792	.00
1956	0	0	521195108	773286512	2545659232	.00
1957	0	0	601100294	873692288	2876195008	.00
1958	0	0	629189041	901416960	2967464640	.00
1959	0	0	806143529	1132224064	3727281632	.00
1960	0	0	817803023	1134262160	3733991072	.00
1961	0	0	780784843	1076944608	3545301632	.00
1962	0	0	729890328	993048064	3269114240	.00
1963	0	0	683639445	913956472	3008744704	.00
1964	0	0	701643732	914789752	3011487872	.00
1965	0	0	776220397	981315296	3230489952	.00
1966	0	0	732411604	885624680	2915476448	.00
1967	0	0	970906229	1130275008	3720865344	.00
1968	0	0	1122956239	1266016064	4167724864	.00
1969	0	0	1001021179	1079850256	3554867008	.00
1970	0	0	1399337209	1445596304	4758903040	.00
1971	0	0	1335245117	1335245120	4395626944	.00
1972	0	0	1315627449	1254172992	4128737504	.00
1973	0	0	1587039676	1395813264	4595017280	.00
1974	0	0	2140973293	1654538880	5446742016	.00
1975	0	0	2113115802	1442399872	4748380416	.00
1976	0	0	2223006140	1385914064	4562429120	.00
1977	0	0	2435986748	1418745920	4670511552	.00
1978	0	0	2049315999	1121683632	3692582496	.00
1979	0	0	2544643588	1267884192	4173874752	.00
1980	0	0	3809164885	1710446736	5630790656	.00
1981	0	0	3319634589	1347801296	4436961856	.00
1982	0	0	2349336839	856796800	2820575072	.00
1983	0	0	2720794041	936590032	3083254400	.00
1984	0	0	3392088454	1126194704	3707432992	.00
1985	0	0	3385983633	1080058576	3555552864	.00
1986	0	0	3543038000	1076258992	3543038000	.00
TOTAL	0	0		51874893138	170772148523	


VERTICAL SCALE X 10000
NON-METALS
ONTARIO
12000
10000
8000
6000
4000
2000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

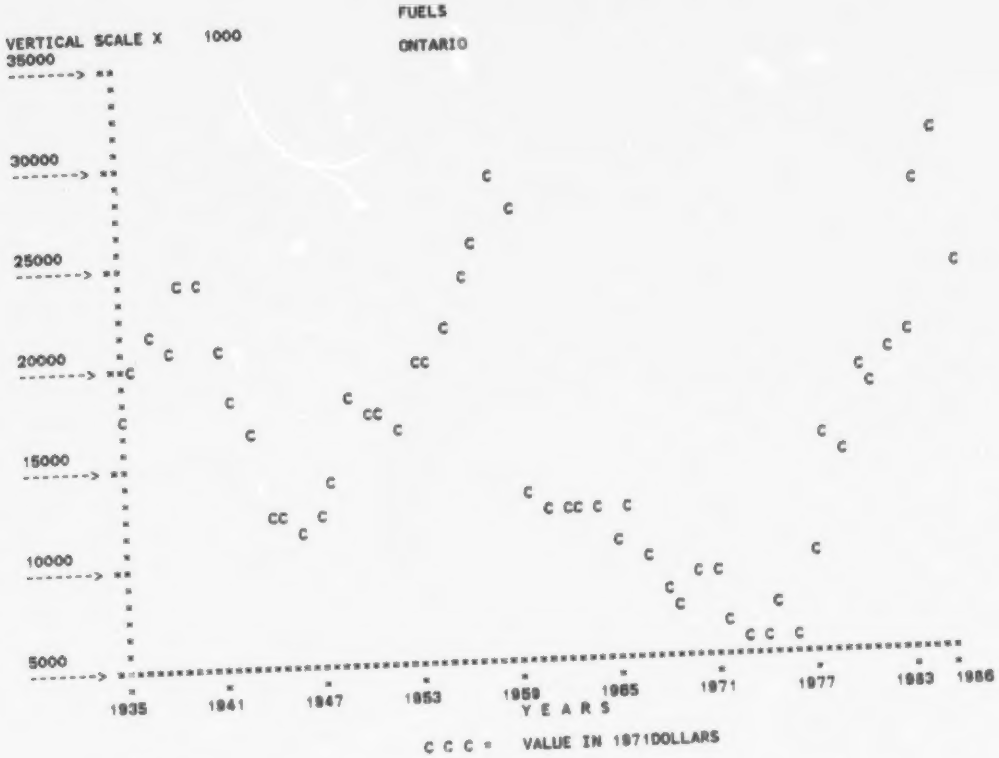
VOLUME AND VALUE OF PRODUCTION OF NON-METALS IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	N/A	N/A	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/N/A
1905	0	0	423026	1175072	3868337	.00
1906	0	0	490996	1363877	4489885	.00
1907	0	0	610593	1696091	5583533	.00
1908	0	0	645366	1792683	5901513	.00
1909	0	0	582599	1618330	5327544	.00
1910	0	0	670420	1862277	6130618	.00
1911	0	0	693957	1927658	6345851	.00
1912	0	0	763497	2120825	6981755	.00
1913	0	0	994886	2763572	9097679	.00
1914	0	0	944752	2624311	8639232	.00
1915	0	0	1366821	3796169	12496989	.00
1916	0	0	1637023	4547288	14969665	.00
1917	0	0	2829487	7859686	25874086	.00
1918	0	0	3302387	9173297	30198494	.00
1919	0	0	2459370	6831583	22489572	.00
1920	0	0	3168792	8802200	28976842	.00
1921	0	0	2482289	6895247	22699154	.00
1922	0	0	2527110	7019750	23109017	.00
1923	0	0	2924585	8123847	26743705	.00
1924	0	0	2254370	6262138	20614961	.00
1925	0	0	2455331	6820363	22452638	.00
1926	0	0	2411868	6607857	21753067	.00
1927	0	0	2425727	6719465	22120480	.00
1928	0	0	2473240	6889247	22679404	.00
1929	0	0	2801171	7695524	25333667	.00
1930	0	0	2816214	7955406	26189199	.00
1931	0	0	2471062	7420606	24428636	.00
1932	0	0	2214407	7356833	24218697	.00
1933	0	0	2176064	7351567	24201360	.00
1934	0	0	2292339	7641130	25154600	.00
1935	0	0	2254401	7489704	24656106	.00
1936	0	0	2278595	7326672	24119404	.00
1937	0	0	2794189	8731840	28745219	.00
1938	0	0	2898184	9085153	29908325	.00
1939	0	0	3557103	11221145	36940010	.00
1940	0	0	3958435	11959018	39369088	.00
1941	0	0	4264057	11944137	39320100	.00
1942	0	0	4767011	12780190	42072386	.00
1943	0	0	4809563	12460007	41018346	.00
1944	0	0	4818070	12075363	39752096	.00
1945	0	0	4939329	12106198	39853605	.00
1946	0	0	4517321	10755528	35407192	.00
1947	0	0	5567220	12182100	40103475	.00
1948	0	0	6071528	11835333	38961917	.00
1949	0	0	6489528	12107328	39857325	.00
1950	0	0	9399073	17151593	56463044	.00
1951	0	0	12237236	20028209	65932866	.00
1952	0	0	12345528	19380734	63801379	.00
1953	0	0	12211102	19199846	63205892	.00
1954	0	0	12487035	19329775	63633621	.00
1955	0	0	13993570	21528569	70872051	.00
1956	0	0	17489988	25949537	85425877	.00
1957	0	0	18966909	27568181	90754453	.00
1958	0	0	19357338	27732575	91295640	.00
1959	0	0	24331568	34173551	112499329	.00
1960	0	0	24311225	33718758	111002153	.00
1961	0	0	23554285	32488868	106952698	.00
1962	0	0	27302269	37145944	122284449	.00
1963	0	0	26913804	35981021	118449521	.00
1964	0	0	24450313	31877852	104941892	.00
1965	0	0	23068141	29163263	96005461	.00
1966	0	0	23688814	28620089	94217335	.00
1967	0	0	28302948	32948717	108467177	.00
1968	0	0	35944394	40523556	133403546	.00
1969	0	0	35637512	38443918	126557378	.00
1970	0	0	40046238	41370080	136190306	.00
1971	0	0	43876065	43876065	144440006	.00
1972	0	0	44134291	42072727	138503420	.00
1973	0	0	57204607	50311879	165626708	.00
1974	0	0	64184225	49601410	163287846	.00
1975	0	0	56186004	38352221	126255514	.00
1976	0	0	84507214	52685295	173439994	.00
1977	0	0	89177844	51938173	170980466	.00
1978	0	0	93721201	51297865	168872574	.00
1979	0	0	105360811	52496667	172819028	.00
1980	0	0	119202040	53525837	176207056	.00
1981	0	0	137905452	55990845	184321864	.00
1982	0	0	148266475	54072383	178006288	.00
1983	0	0	166860317	57439008	189089214	.00
1984	0	0	220787631	73302666	241312380	.00
1985	0	0	220138666	70219670	231163154	.00
1986	0	0	243049000	73830194	243049000	.00
TOTAL	0	0		1810110952	5958885354	


STRUCTURAL MATERIALS
ONTARIO
VERTICAL SCALE X 10000
32000
27000
22000
17000
12000
7000
2000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1988
Y E A R S
C C C = VALUE IN 1971DOLLARS

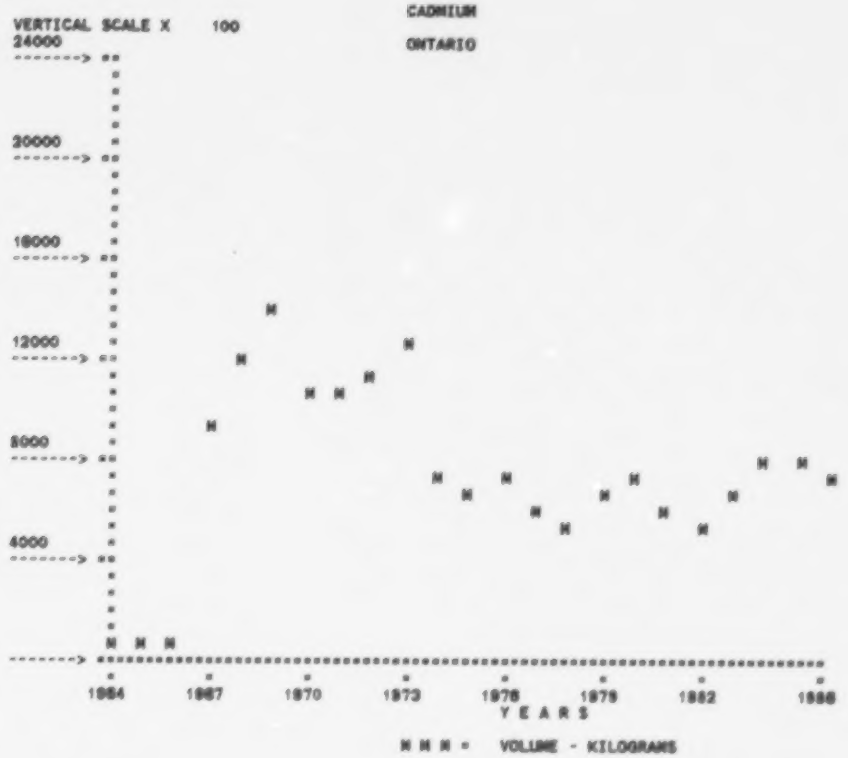
VOLUME AND VALUE OF PRODUCTION OF STRUCTURAL MATERIALS IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	N/A	N/A	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/N/A
1905	0	0	3158035	8766763	28860186	.00
1906	0	0	3633700	10093611	33228187	.00
1907	0	0	3990426	11084516	36490229	.00
1908	0	0	5722841	15896780	52332201	.00
1909	0	0	7227221	20075614	66088921	.00
1910	0	0	8010559	22251553	73252112	.00
1911	0	0	8999004	24997233	82290892	.00
1912	0	0	9532226	26478405	87166911	.00
1913	0	0	11427926	31744239	104502035	.00
1914	0	0	8610965	23919347	78742491	.00
1915	0	0	5480750	15224305	50118414	.00
1916	0	0	5318764	14774344	48637142	.00
1917	0	0	6719545	18665402	61446506	.00
1918	0	0	6224342	17289839	56918150	.00
1919	0	0	10129818	28138383	92631558	.00
1920	0	0	15851102	44030839	144949522	.00
1921	0	0	18234231	50650642	166741912	.00
1922	0	0	19277397	53548325	176281086	.00
1923	0	0	17674424	49095622	161622788	.00
1924	0	0	16585362	46070450	151663922	.00
1925	0	0	16481112	45780867	150710614	.00
1926	0	0	17118423	46899789	154394106	.00
1927	0	0	18751415	51942978	170996282	.00
1928	0	0	19650392	54736467	180192452	.00
1929	0	0	23990563	65908140	216969598	.00
1930	0	0	21087366	59568830	196100590	.00
1931	0	0	14692249	44120867	145245894	.00
1932	0	0	8652801	28746847	94634621	.00
1933	0	0	7070480	23886756	78635204	.00
1934	0	0	8632522	28775073	94727543	.00
1935	0	0	8559981	28438475	93619460	.00
1936	0	0	10055758	32333627	106442300	.00
1937	0	0	14842940	46384187	152696746	.00
1938	0	0	11700146	36677573	120742571	.00
1939	0	0	12483238	39379299	129636656	.00
1940	0	0	16197338	48934556	161092560	.00
1941	0	0	18152409	50847084	167388802	.00
1942	0	0	16093278	43145517	142035042	.00
1943	0	0	15020990	38914482	128106475	.00
1944	0	0	18063757	45272574	149037314	.00
1945	0	0	17437552	42739098	140697112	.00
1946	0	0	24308714	57877890	190534016	.00
1947	0	0	30251819	66196540	217919012	.00
1948	0	0	35208060	68631693	225935544	.00
1949	0	0	40755195	76035812	250309894	.00
1950	0	0	49435917	90211527	296976348	.00
1951	0	0	60202877	98531714	324366404	.00
1952	0	0	66580698	104522289	344087380	.00
1953	0	0	77219296	121413988	399694844	.00
1954	0	0	82079053	127057357	418272820	.00
1955	0	0	92695449	142608382	469466800	.00
1956	0	0	104086954	154431684	508389104	.00
1957	0	0	120171871	174668416	575008424	.00
1958	0	0	131352279	188183780	619501008	.00
1959	0	0	129662221	182109862	599505664	.00
1960	0	0	130320122	180749128	595026128	.00
1961	0	0	130093420	179439200	590713848	.00
1962	0	0	146787540	199710940	657448416	.00
1963	0	0	154267740	206240292	678943040	.00
1964	0	0	169063366	220421600	725627904	.00
1965	0	0	184719374	233526390	768768872	.00
1966	0	0	191561271	231633946	762538952	.00
1967	0	0	186338755	216922882	714110128	.00
1968	0	0	188913757	212980562	701132008	.00
1969	0	0	179295463	193414742	636721328	.00
1970	0	0	186354989	192515486	633760976	.00
1971	0	0	210588735	210588736	693258120	.00
1972	0	0	231809052	220980986	727469408	.00
1973	0	0	269115232	236688858	779179728	.00
1974	0	0	314202665	242815044	799347128	.00
1975	0	0	340583173	232479982	765324112	.00
1976	0	0	391449751	244045980	803399368	.00
1977	0	0	432211025	251724532	828677152	.00
1978	0	0	510207315	279259812	919322640	.00
1979	0	0	560266029	279155968	918981448	.00
1980	0	0	580130802	260498788	857562008	.00
1981	0	0	627663875	254837138	838923864	.00
1982	0	0	546327716	199244244	655912056	.00
1983	0	0	638747508	219878662	723840552	.00
1984	0	0	721696491	239607066	788786472	.00
1985	0	0	831690932	265292166	873341808	.00
1986	0	0	908010000	275823204	908010000	.00
TOTAL	0	0		9269186369	30514181613	


FUELS
ONTARIO
VERTICAL SCALE X 1000
35000
30000
25000
20000
15000
10000
5000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF FUELS IN ONTARIO

YEAR	VOLUME OF PRODUCTION N/A	VOLUME OF PRODUCTION N/A	VALUE OF PRODUCTION DOLLARS	VALUE OF PRODUCTION 1971 DOLLARS	VALUE OF PRODUCTION 1986 DOLLARS	UNIT VALUE 1986 DOLLARS/N/A
1905	0	0	1215021	3375058	11110692	.00
1906	0	0	1294992	3597200	11841982	.00
1907	0	0	1796130	4989250	16424611	.00
1908	0	0	1692389	4701080	15475957	.00
1909	0	0	1747657	4854602	15981352	.00
1910	0	0	1859392	5164977	17003107	.00
1911	0	0	2540335	7056486	23229952	.00
1912	0	0	2612559	7257108	23890400	.00
1913	0	0	2760072	7666866	25239325	.00
1914	0	0	2684554	7457094	24548755	.00
1915	0	0	2923057	8119602	26729732	.00
1916	0	0	2792345	7756513	25534443	.00
1917	0	0	3695123	10264230	33789847	.00
1918	0	0	3279866	9110738	29992552	.00
1919	0	0	3216113	8933647	29409568	.00
1920	0	0	3887645	10799014	35550354	.00
1921	0	0	3534700	9818611	32322867	.00
1922	0	0	4491354	12475983	41070937	.00
1923	0	0	4544393	12623314	41555949	.00
1924	0	0	4466438	12406772	40843094	.00
1925	0	0	4479495	12443041	40962493	.00
1926	0	0	4792740	13130794	43220576	.00
1927	0	0	4621171	12801027	42140983	.00
1928	0	0	4785293	13329506	43880736	.00
1929	0	0	5221815	14345645	47225865	.00
1930	0	0	5297334	14964220	49262213	.00
1931	0	0	4855490	14581050	48000819	.00
1932	0	0	4966765	16500880	54320898	.00
1933	0	0	4776570	16137060	53123204	.00
1934	0	0	5041242	16804140	55319229	.00
1935	0	0	5240509	17410329	57314803	.00
1936	0	0	6403061	20588820	67777739	.00
1937	0	0	6945156	21703612	71448293	.00
1938	0	0	6820032	21379410	70381019	.00
1939	0	0	7663356	24174624	79582865	.00
1940	0	0	8142945	24601042	80986632	.00
1941	0	0	7453233	20877403	68728412	.00
1942	0	0	6976061	18702576	61568881	.00
1943	0	0	6665401	17267878	56845855	.00
1944	0	0	4990517	12507561	41174892	.00
1945	0	0	5106064	12514862	41198928	.00
1946	0	0	4948247	11781540	38784831	.00
1947	0	0	5684886	12439575	40951082	.00
1948	0	0	7566356	14749232	48554472	.00
1949	0	0	9727777	18148837	59745974	.00
1950	0	0	9782867	17851947	58768609	.00
1951	0	0	10640458	17414825	57329803	.00
1952	0	0	10587424	16620759	54715542	.00
1953	0	0	12700130	19968758	65737150	.00
1954	0	0	13148549	20353791	67004680	.00
1955	0	0	13979362	21506710	70800092	.00
1956	0	0	16179019	24004479	79022747	.00
1957	0	0	18145013	26373565	86821777	.00
1958	0	0	20383000	29202005	96133003	.00
1959	0	0	19529742	27429413	90297628	.00
1960	0	0	9724055	13486900	44398875	.00
1961	0	0	9160788	12635569	41596295	.00
1962	0	0	9463561	12875593	42386453	.00
1963	0	0	9509050	12712633	41849989	.00
1964	0	0	9774192	12743405	41951281	.00
1965	0	0	8949443	11314087	37245975	.00
1966	0	0	10176099	12304835	40507519	.00
1967	0	0	8951123	10420389	34303954	.00
1968	0	0	7765753	8755076	28821712	.00
1969	0	0	7392183	7974307	26251420	.00
1970	0	0	9327756	9636111	31722079	.00
1971	0	0	9059931	9059931	29825292	.00
1972	0	0	7266268	6926852	22803196	.00
1973	0	0	6543700	5755233	18946227	.00
1974	0	0	7590000	5865533	19309335	.00
1975	0	0	11554000	7886689	25962982	.00
1976	0	0	10076000	6281795	20679671	.00
1977	0	0	16894000	9839254	32390825	.00
1978	0	0	29542549	16169977	53231565	.00
1979	0	0	29679000	14787742	48681249	.00
1980	0	0	43268605	19429099	63960596	.00
1981	0	0	45668315	18541743	61039421	.00
1982	0	0	56121696	20467431	67378783	.00
1983	0	0	62040970	21356616	70305980	.00
1984	0	0	85742349	28466915	93713086	.00
1985	0	0	97880410	31221821	102782236	.00
1986	0	0	81212000	24669501	81212000	.00
TOTAL	0	0		1164823906	3833942007	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ONTARIO
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20000
16000
12000
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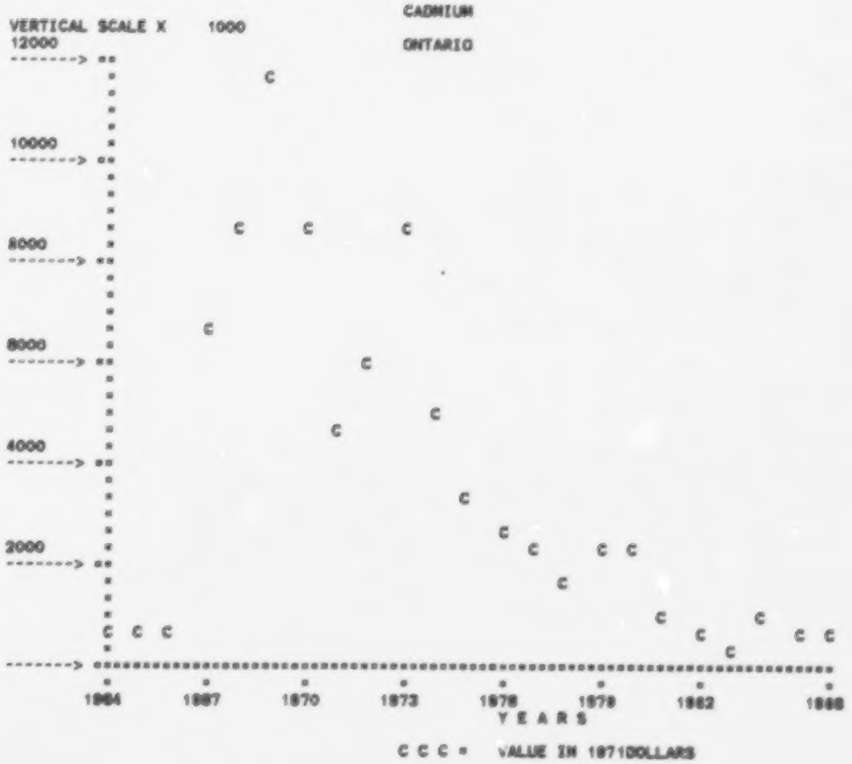
4000
1964
1967
1970
1973
1976
1979
1982
1985
Y E A R S
M M M = VOLUME - KILOGRAMS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ONTARIO
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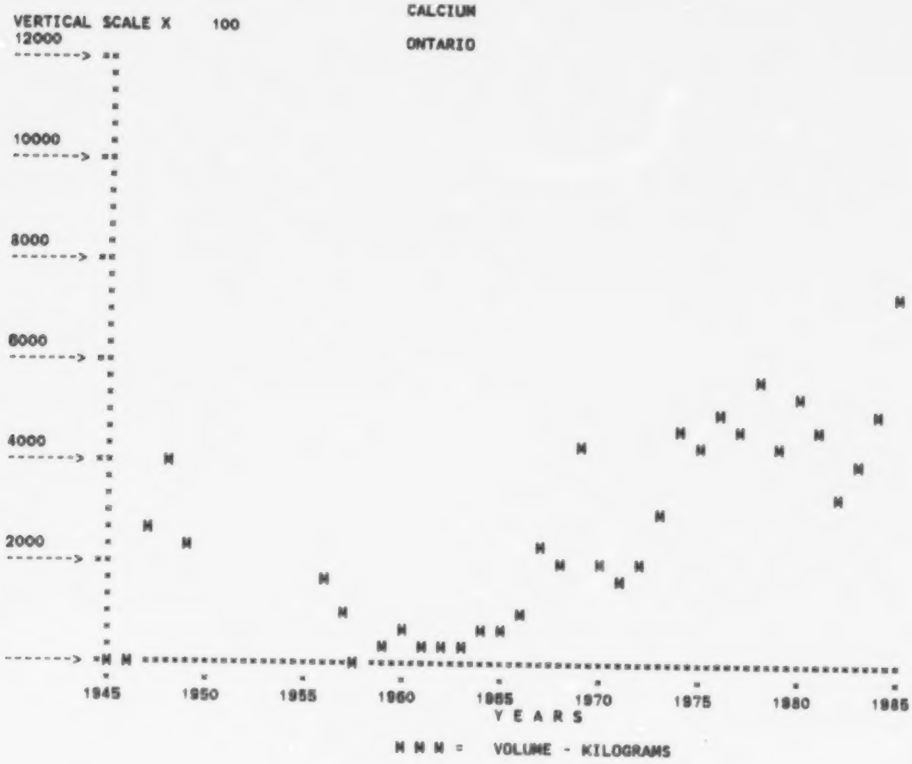
2000
1964
1967
1970
1973
1976
1979
1982
1985
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF CADMIUM IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/KILOGRAMS
1964	187609	85098	607853	792507	2608933	30.66
1965	209724	95129	583033	737083	2426478	25.51
1966	217237	98537	560471	677715	2231040	22.64
1967	2024006	918073	5667217	6597458	21718834	23.66
1968	2732729	1239545	7788278	8780471	28905311	23.32
1969	3075606	1395025	10825778	11678293	38444942	27.56
1970	2351277	1066521	8370646	8647258	28466774	26.69
1971	2414006	1094975	4683176	4683176	15417015	14.08
1972	2575274	1168124	6515443	6211099	20446938	17.50
1973	2764697	1254045	10063497	8850920	29137231	23.23
1974	1680019	762043	6681436	5163397	16997904	22.31
1975	1468335	666025	5011427	3420769	11261172	16.91
1976	1617883	733859	4246943	2647720	8716294	11.88
1977	1329485	603044	4187878	2439066	8029408	13.31
1978	1141902	517958	3191617	1746916	5750850	11.10
1979	1483352	672837	4795677	2389475	7866152	11.69
1980	1717894	779133	5283454	2372453	7810117	10.02
1981	1343089	609215	2959469	1201570	3955571	6.49
1982	1210351	549006	1823036	664856	2188706	3.99
1983	1473674	668402	1637862	563807	1856055	2.78
1984	1839387	834332	3116180	1034568	3405864	4.08
1985	1869932	848187	2585741	824797	2715234	3.20
1986	1596146	724000	2770000	841433	2770000	3.83
TOTAL	38322215	17383113		82966827	273126823	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ONTARIO
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10000
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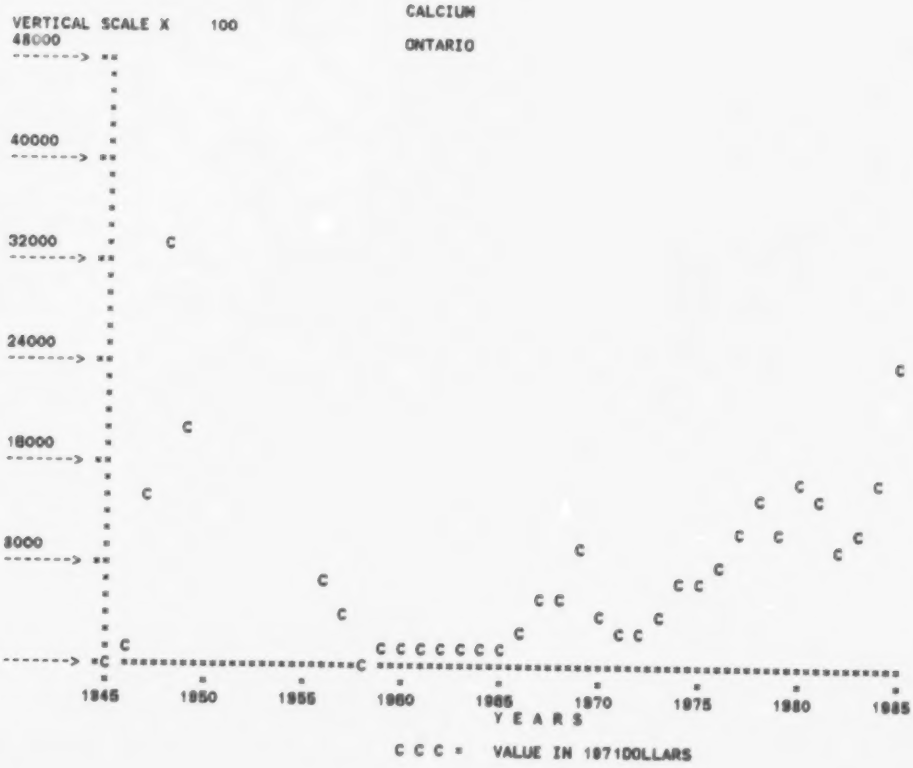
1950
1955
1960
1965
1970
1975
1980
1985
Y E A R S
M M M = VOLUME - KILOGRAMS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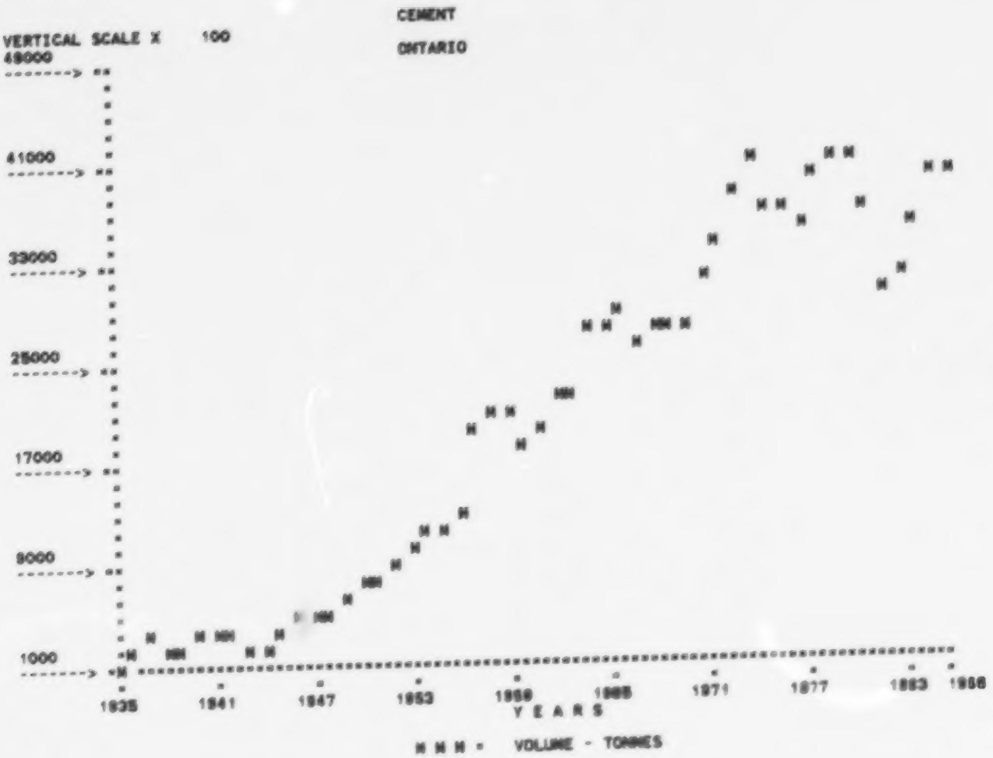
32000
24000
16000
8000
1945
1950
1955
1960
1965
1970
1975
1980
1985
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF CALCIUM
IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/KILOGRAMS
1945	22720	10305	19312	47333	155821	15.12
1946	53548	24288	88720	163819	538633	22.18
1947	602665	273364	642607	1406142	4629020	16.93
1948	895203	406057	1723266	3359192	11058483	27.23
1949	520609	236144	1041551	1943192	6396955	27.09
1956	394900	179123	515305	764547	2516890	14.05
1957	221225	100345	282378	410433	1351145	13.46
1958	25227	11442	31256	44779	147413	12.88
1959	67429	30585	76409	107316	353284	11.55
1960	134801	61144	159241	220861	727075	11.89
1961	99355	45066	100881	139146	458069	10.16
1962	123511	56023	124412	169266	557230	9.95
1963	98673	44757	117247	156747	516012	11.53
1964	138357	62757	151684	197775	651077	10.37
1965	159434	72318	152848	193233	636125	8.80
1966	249179	113025	245125	296402	975757	8.63
1967	543692	246614	535509	623409	2052265	8.32
1968	468512	212513	450946	508394	1673634	7.88
1969	942682	427593	953522	1028810	3386186	7.92
1970	443557	201194	374476	386855	1273527	6.33
1971	355247	161137	291504	291504	959631	5.96
1972	469378	212906	337609	321838	1059493	4.98
1973	651921	295706	489813	430794	1418174	4.80
1974	1049587	476084	915487	707486	2329044	4.89
1975	944213	428287	1004674	685784	2257601	5.27
1976	1133096	513963	1432505	893082	2940028	5.72
1977	1082152	490855	1801506	1049217	3454023	7.04
1978	1267138	574764	2397480	1312249	4319925	7.52
1979	1004675	455712	2152146	1072319	3530077	7.75
1980	1169786	530606	3421621	1536426	5057914	9.53
1981	1034856	469403	3512073	1425933	4694171	10.00
1982	725627	329139	2587284	936281	3082238	9.36
1983	879609	398984	3306450	1138192	3746930	9.39
1984	1136218	515380	4559566	1513800	4983430	9.67
1985	1628206	738542	7789402	2484657	8179493	11.08
TOTAL	20736988	9406125		27966815	92066786	


CEMENT
ONTARIO
VERTICAL SCALE X 100
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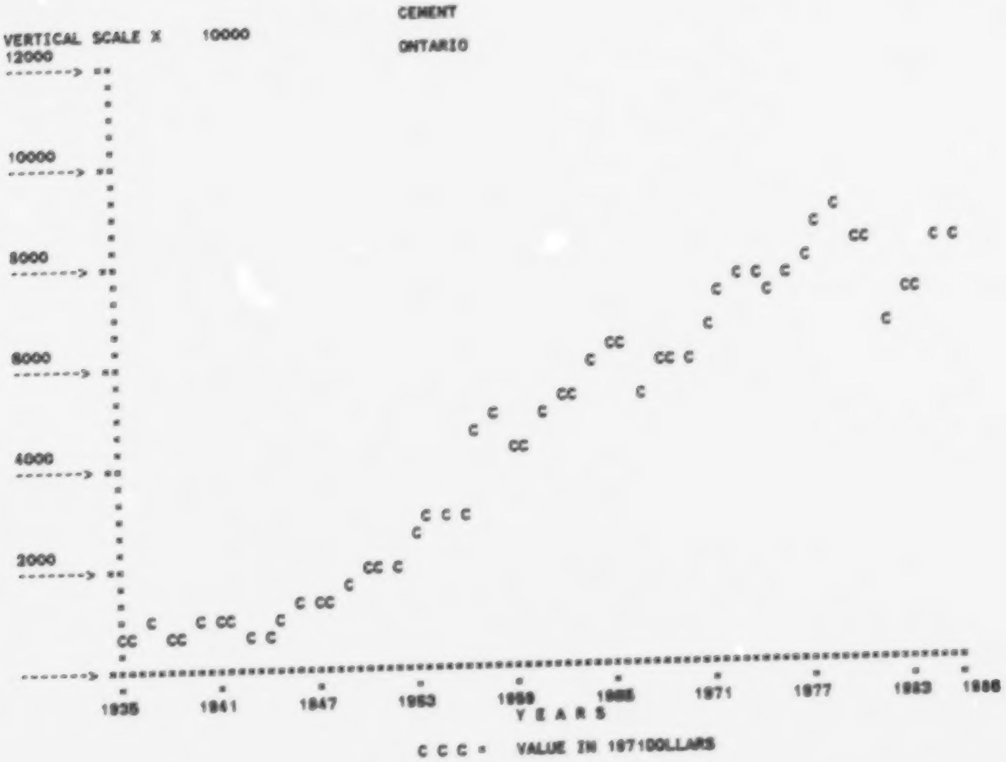
41000
33000
25000
17000
9000
1000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
YEARS
M M M = VOLUME - TONNES


CEMENT
ONTARIO
VERTICAL SCALE X 10000
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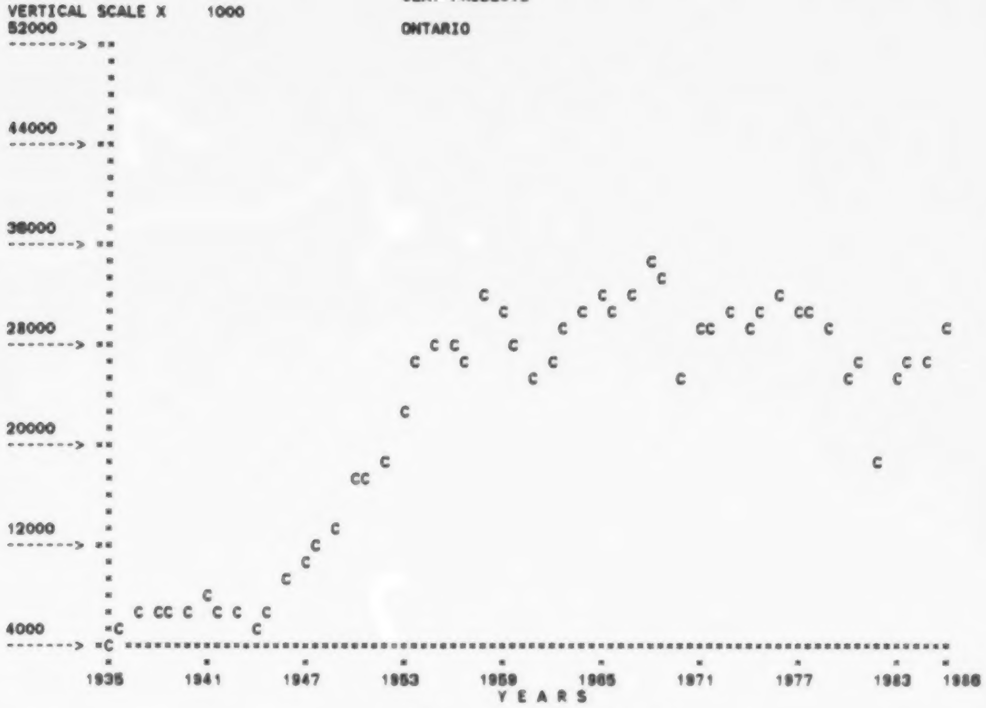
10000
8000
6000
4000
2000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
YEARS
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF CEMENT IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/TONNES
1908	354003	321146	2417769	6716025	22109154	68.84
1909	403071	365659	2897348	8048188	26494638	72.46
1910	432571	392421	3144343	8734286	28753270	73.27
1911	526898	477993	3640642	10112894	33291648	69.65
1912	523839	475218	3365659	9349052	30777081	64.76
1913	665406	603646	4105455	11404041	37542105	62.19
1914	466488	423190	2931190	8142194	26804104	63.34
1915	402892	365497	2534537	7040380	23176932	63.41
1916	375191	340367	2242433	6228980	20505804	60.25
1917	291959	264860	2092783	5813286	19137338	72.25
1918	214592	194674	1910839	5307886	17473561	89.76
1919	353950	321098	3659720	10165888	33466106	104.22
1920	356228	323164	4377814	12160594	40032677	123.88
1921	476537	432307	6424356	17845433	58747166	135.89
1922	543267	492843	6235370	17320472	57018994	115.69
1923	576874	523331	5855589	16265525	53546108	102.32
1924	623787	565690	5668671	15746308	51836847	91.60
1925	605912	549674	5253911	14594197	48044097	87.40
1926	594800	539593	4792857	13131115	43227631	80.11
1927	656562	595623	5144326	14250210	46911693	78.76
1928	684564	621026	5520897	15378543	50626164	81.52
1929	809324	734206	6608246	18154522	59764686	81.40
1930	689970	625930	5779404	16326000	53745192	85.86
1931	607259	550896	5006826	15035513	49496909	89.85
1932	279884	253906	2288975	7604568	25034238	98.60
1933	191772	173972	1587812	5364229	17659044	101.51
1934	297872	270224	2403590	8011966	26375394	97.61
1935	217671	197467	1752148	5821089	19163027	97.04
1936	269931	244877	2180895	7012524	23085229	94.27
1937	463864	420810	3657067	11428334	37622077	89.40
1938	318155	288625	2555214	8010075	26369167	91.36
1939	299121	271358	2437777	7690148	25315968	93.29
1940	412186	373928	3518247	10629145	34991146	93.58
1941	481049	436400	4019656	11259540	37066408	84.94
1942	487336	442103	3998294	10719286	35287892	79.82
1943	345101	313070	2872732	7442310	24500087	78.26
1944	326061	295797	2730381	6843060	22527354	76.16
1945	430674	390700	3805131	9326301	30702184	78.58
1946	643596	583860	6025503	14346435	47228466	80.89
1947	617651	560323	6219993	13610488	44805726	79.96
1948	640632	581171	7076317	13793990	45409816	78.14
1949	804881	730175	9155613	17081367	56231862	77.01
1950	929866	843560	10953896	19988861	65803331	78.01
1951	951667	863337	12494677	20449553	67319929	77.98
1952	975979	885393	14142080	22201036	73085812	82.55
1953	1238681	1123712	18497744	29084503	95746184	85.21
1954	1261410	1144331	18958173	29347017	96610380	84.43
1955	1341275	1216784	19707042	30318526	99808589	82.03
1956	1450437	1315814	21455019	31832372	104792171	79.64
1957	2211887	2006590	33505994	48700572	160322284	79.90
1958	2400158	2177386	35195552	50423427	165993922	76.24
1959	2386334	2164845	31731767	44567088	146714856	67.77
1960	2007044	1820759	30699800	42579473	140171624	76.99
1961	2226923	2020230	35671569	49202164	161973524	80.18
1962	2510783	2277744	38704090	52658626	173352196	76.11
1963	2552665	2315738	39551719	52876629	174069862	75.17
1964	3043771	2761262	46804126	61022329	200885506	72.75
1965	3145873	2853888	50055554	63281358	208322230	73.00
1966	3242591	2941629	52680630	63700883	209703308	71.29
1967	2894483	2625830	47597495	55410355	182410890	69.47
1968	3103849	2815764	53683873	60522968	199241612	70.76
1969	3112697	2823791	56650012	61111124	201177820	71.24
1970	3142511	2850838	58481550	60414824	198885602	69.76
1971	3570397	3239009	68300184	68300184	224844206	69.42
1972	3761195	3412098	76213423	72653407	239175016	70.10
1973	4319308	3918410	86809986	76174112	250765180	64.00
1974	4592199	4165972	102390409	79127055	260486268	62.53
1975	4118853	3736561	110922439	75714976	249253704	66.71
1976	4100582	3719986	126123662	78630712	258852306	69.58
1977	4020464	3647304	138795199	80835876	266111702	72.96
1978	4355101	3950882	160206032	87688030	288668996	73.06
1979	4538413	4117179	182252209	90808276	298940844	72.61
1980	4483482	4067347	190792978	85672644	282034344	69.34
1981	4174714	3787237	205062550	83257227	274082792	72.37
1982	3315134	3007439	185047149	67486196	222164558	73.87
1983	3528250	3200775	212263334	73068273	240540756	75.15
1984	3949152	3582611	225320319	74807543	246266432	68.74
1985	4457462	4043742	265048133	84544880	278321676	68.83
1986	4370664	3965000	282189000	85719623	282189000	71.17
TOTAL	131549635	119339795		2673449069	8800994402	

CLAY PRODUCTS

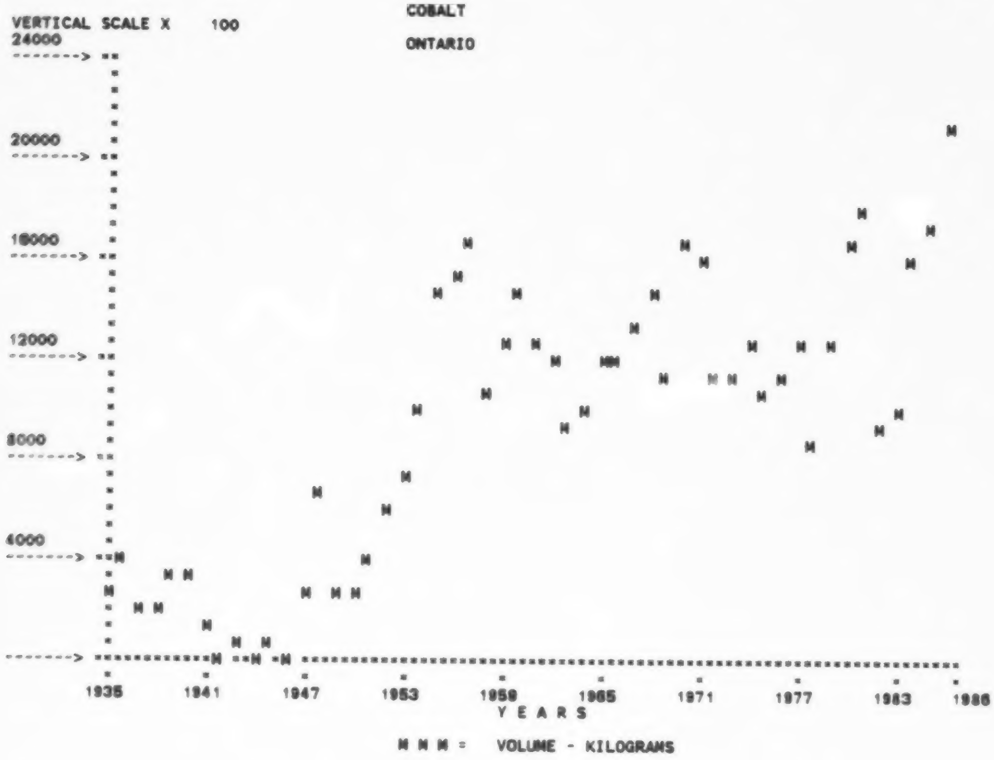
ONTARIO



C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF CLAY PRODUCTS IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	N/A	N/A	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/N/A
1905	0	0	2731335	7587041	24976541	00
1906	0	0	3136915	8713652	28685345	00
1907	0	0	3571726	9921461	32661450	00
1908	0	0	2856476	7934655	26120886	00
1909	0	0	3199015	8886152	29253215	00
1910	0	0	3630559	10084886	33199445	00
1911	0	0	4263395	11842764	38986379	00
1912	0	0	4831056	13419600	44177323	00
1913	0	0	5561151	15447641	50853636	00
1914	0	0	4105597	11404436	37543404	00
1915	0	0	1871379	5198275	17112721	00
1916	0	0	1584699	4401941	14491192	00
1917	0	0	2596749	7213191	23745827	00
1918	0	0	2018450	5606805	18457604	00
1919	0	0	3776562	10490450	34534561	00
1920	0	0	4735154	13153205	43300353	00
1921	0	0	5183125	14397569	47396798	00
1922	0	0	6944218	19289494	63501016	00
1923	0	0	6269140	17414277	57327802	00
1924	0	0	5137865	14271847	46982921	00
1925	0	0	5184626	14401739	47410524	00
1926	0	0	5356469	14675257	48310948	00
1927	0	0	5853035	16213393	53374491	00
1928	0	0	6177664	17207977	56648662	00
1929	0	0	6830162	18764181	61771685	00
1930	0	0	5221214	14749192	48554340	00
1931	0	0	3552799	10669066	35122565	00
1932	0	0	1690505	5616295	18488845	00
1933	0	0	1024579	3461415	11394980	00
1934	0	0	1261006	4203353	13837439	00
1935	0	0	1370225	4552242	14985982	00
1936	0	0	1573936	5060887	16660441	00
1937	0	0	2033845	6355765	20923180	00
1938	0	0	2083496	6531335	21501156	00
1939	0	0	2341617	7386804	24317360	00
1940	0	0	2513884	7594815	25002133	00
1941	0	0	3087616	8648784	28471798	00
1942	0	0	2549487	6835085	22501102	00
1943	0	0	2453829	6357070	20927474	00
1944	0	0	2347396	5883198	19367487	00
1944	0	0	2347396	5883198	19367487	00
1945	0	0	3107189	7615659	25070750	00
1946	0	0	4321499	10289283	33872321	00
1947	0	0	5278438	11550192	38023234	00
1948	0	0	6563754	12794842	42120620	00
1949	0	0	7435439	13872087	45666913	00
1950	0	0	9323263	17013253	56007631	00
1951	0	0	10484341	17159314	56488462	00
1952	0	0	11975200	18799372	61887533	00
1953	0	0	14829222	23316386	76757545	00
1954	0	0	17230231	26672184	87804830	00
1955	0	0	18314320	28175877	92754988	00
1956	0	0	19173336	28447086	93647808	00
1957	0	0	18353299	26676306	87818401	00
1958	0	0	22786291	32645116	107467722	00
1959	0	0	22174895	31144515	102527746	00
1960	0	0	20191325	28004811	92191181	00
1961	0	0	19036556	26257318	86439093	00
1962	0	0	20146786	27410593	90235673	00
1963	0	0	21819887	29170704	96029958	00
1964	0	0	23723512	30930263	101822428	00
1965	0	0	25130709	31770807	104589499	00
1966	0	0	25799667	31196695	102699522	00
1967	0	0	27450940	31956856	105201973	00
1968	0	0	30629362	34531411	113677407	00
1969	0	0	31672797	34166987	112477721	00
1970	0	0	25197229	26030195	85691403	00
1971	0	0	29815391	29815391	98152267	00
1972	0	0	31569829	30095186	99073287	00
1973	0	0	34600965	30431807	100181510	00
1974	0	0	39073763	30196107	99405587	00
1975	0	0	44769040	30559071	100600466	00
1976	0	0	52117111	32491964	106963548	00
1977	0	0	53784270	31324560	103120451	00
1978	0	0	57142237	31276538	102962366	00
1979	0	0	60767493	30277774	99674433	00
1980	0	0	58109858	26093335	85899260	00
1981	0	0	66660283	27064662	89096868	00
1982	0	0	51131105	18647376	61387162	00
1983	0	0	73297428	25231472	83062008	00
1984	0	0	82671246	27447292	90356488	00
1985	0	0	86653738	27640745	90993335	00
1986	0	0	98000000	29769137	98000000	00
TOTAL	0	0		1503690702	4950149896	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ONTARIO
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16000
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1941
1947
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1959
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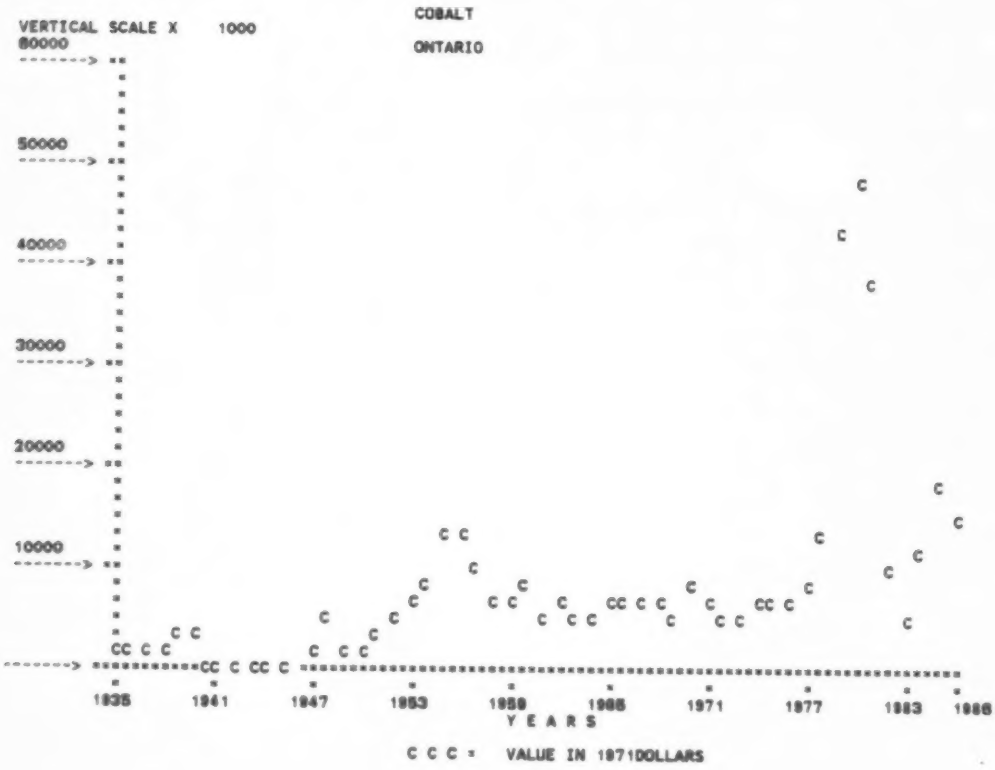
1971
1977
1983
1986
Y E A R S
M M M = VOLUME - KILOGRAMS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COBALT
ONTARIO
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30000
20000
10000
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1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

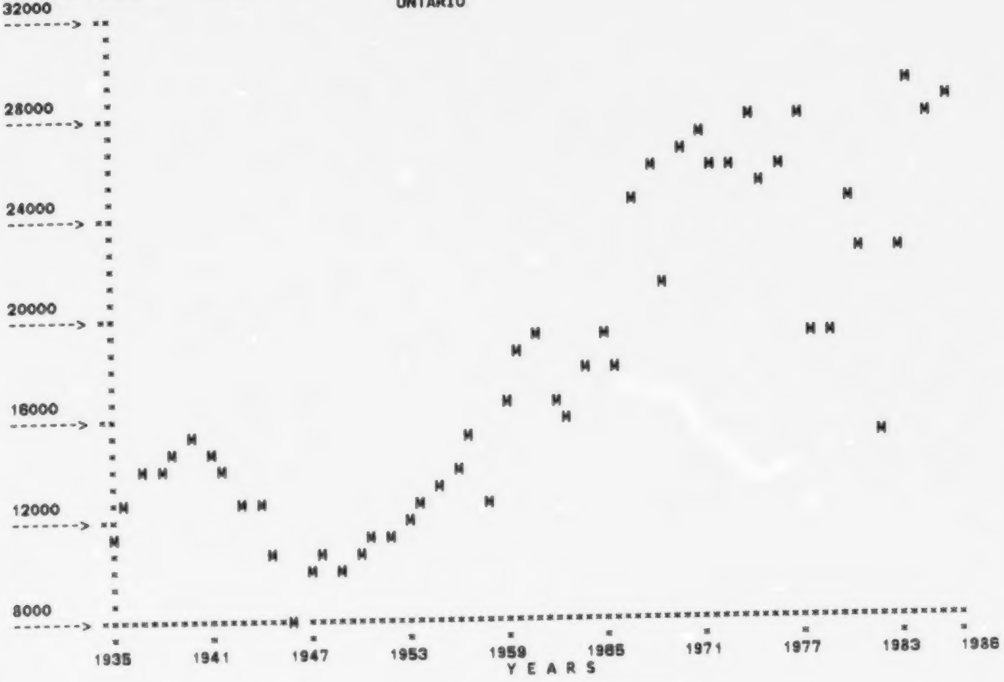
VOLUME AND VALUE OF PRODUCTION OF COBALT
IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/KILOGRAMS
1905	236000	107047	100000	277777	914444	8.54
1906	642000	291206	80704	224177	737993	2.53
1907	1478000	670409	92751	257641	848156	1.27
1908	2448000	1110394	111118	308661	1016112	.92
1909	3066000	1390714	94965	263791	868402	.62
1910	2196000	996088	54699	151941	500191	.50
1911	1706000	773828	170890	474694	1562694	2.02
1912	1872000	849124	315781	877169	2887641	3.40
1913	1188526	539106	420386	1167738	3844196	7.13
1914	643988	292108	546749	1518747	4999715	17.12
1915	426641	193521	379657	1054602	3471752	17.94
1916	1020244	462774	762327	2117575	6971056	15.06
1917	815098	369722	1122779	3118830	10267190	27.77
1918	881931	400037	1615130	4486472	14769466	36.92
1919	747986	339280	1009479	2804108	9231124	27.21
1920	736932	334266	1603736	4454822	14665274	43.87
1921	204098	92577	502370	1395472	4593894	49.62
1922	507764	230317	1080873	3002425	9883983	42.91
1923	1476697	669818	1803872	5010755	16495407	24.63
1924	1279777	580497	1662526	4618127	15202876	26.19
1925	1466262	665085	2328517	6468102	21292994	32.02
1926	664778	301538	1136014	3112367	10245912	33.98
1927	880590	399428	1764534	4887905	16090985	40.29
1928	954860	433117	1671900	4657103	15331183	35.40
1929	929415	421575	1801915	4950315	16296440	38.66
1930	694163	314867	1144007	3231658	10638618	33.79
1931	521051	236344	651179	1955492	6437481	27.24
1932	490631	222546	587957	1953345	6430413	28.89
1933	466702	211692	597752	2019432	6647971	31.40
1934	594671	269738	592497	1974990	6501667	24.10
1935	681419	309086	512705	1703338	5607391	18.14
1936	887592	402604	803580	2583858	8506062	21.13
1937	507064	230000	848145	2650453	8725291	37.94
1938	459226	208301	790913	2479351	8162023	39.18
1939	732561	332284	1213454	3827930	12601547	37.92
1940	794359	360315	1235220	3731782	12285028	34.10
1941	263257	119411	255904	716817	2359764	19.76
1942	83871	38043	88444	237115	780583	20.52
1943	175961	79814	191407	495873	1632414	20.45
1944	36283	16457	34106	85478	281395	17.10
1945	109123	49497	90026	220651	726386	14.68
1946	75848	34404	64471	153502	505329	14.69
1947	578403	262359	955917	2091722	6885949	26.25
1948	1545744	701137	2624410	5115808	16841243	24.02
1949	619065	280803	952469	1776994	5849865	20.83
1950	583806	264809	964003	1759129	5791054	21.87
1951	951607	431641	1999612	3272687	10773687	24.96
1952	1421923	644973	3226903	5065781	16676553	25.86
1953	1602545	726902	4013077	6309869	20772090	28.58
1954	2252965	1021927	5912997	9153246	30132486	29.49
1955	3296270	1495162	8510314	13092790	43101467	28.83
1956	3392543	1538831	8781626	13029118	42891859	27.87
1957	3750596	1701241	7541258	10961130	36084042	21.21
1958	2436064	1104980	4866767	6972445	22953290	20.77
1959	2835684	1286244	5414246	7604278	25033283	19.46
1960	3258401	1477985	6312921	8755785	28824044	19.50
1961	2884420	1308350	4309912	5944706	19569972	14.96
1962	2649193	1201653	4765808	6484092	21345632	17.76
1963	2156732	978277	4409262	5894735	19405468	19.84
1964	2212016	1003353	4259215	5553083	18280750	18.22
1965	2620810	1188779	5511436	6967681	22937607	19.30
1966	2684235	1217548	5464495	6607611	21752258	17.87
1967	2929470	1328785	5967044	6946500	22867880	17.21
1968	3221025	1461032	6957851	7844251	25823275	17.67
1969	2553583	1158285	5421046	5847946	19251438	16.62
1970	3692529	1674902	8211391	8482842	27925515	16.67
1971	3511207	1592658	7650337	7650337	25184909	15.81
1972	2593814	1176534	5387560	6089189	20045612	17.04
1973	2528297	1146816	6913957	6080876	20018246	17.46
1974	2775392	1258896	8141841	6291994	20713246	16.45
1975	2399759	1088512	10277852	7015598	23095351	21.22
1976	2532997	1148948	10942034	6821717	22457092	19.55
1977	2784530	1263041	16052589	9349207	30777590	24.37
1978	1999628	907016	24026091	13150569	43291675	47.73
1979	2817375	1277939	86299973	42999488	141554314	110.77
1980	3716879	1685948	106900800	48002155	158023098	93.73
1981	4037367	1831319	94392310	38324121	126163007	68.89
1982	2130293	966285	28258083	10305646	33926188	35.11
1983	2259226	1024768	16602079	5715001	18813784	18.36
1984	3559219	1614435	37027130	12293203	40469227	25.07
1985	3816794	1731269	60433575	19277057	63460073	36.66
1986	4722301	2142000	48465000	14722053	48465000	22.63
TOTAL	140358076	63665319		507304821	1670047560	

COPPER

ONTARIO

VERTICAL SCALE X 10000

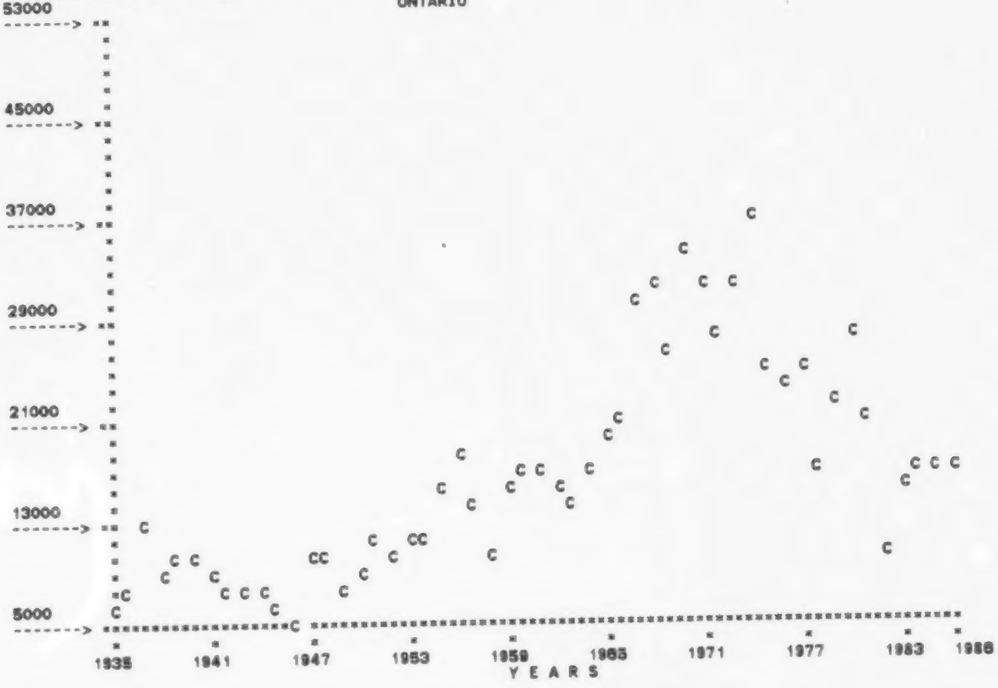


M M M = VOLUME - KILOGRAMS

COPPER

ONTARIO

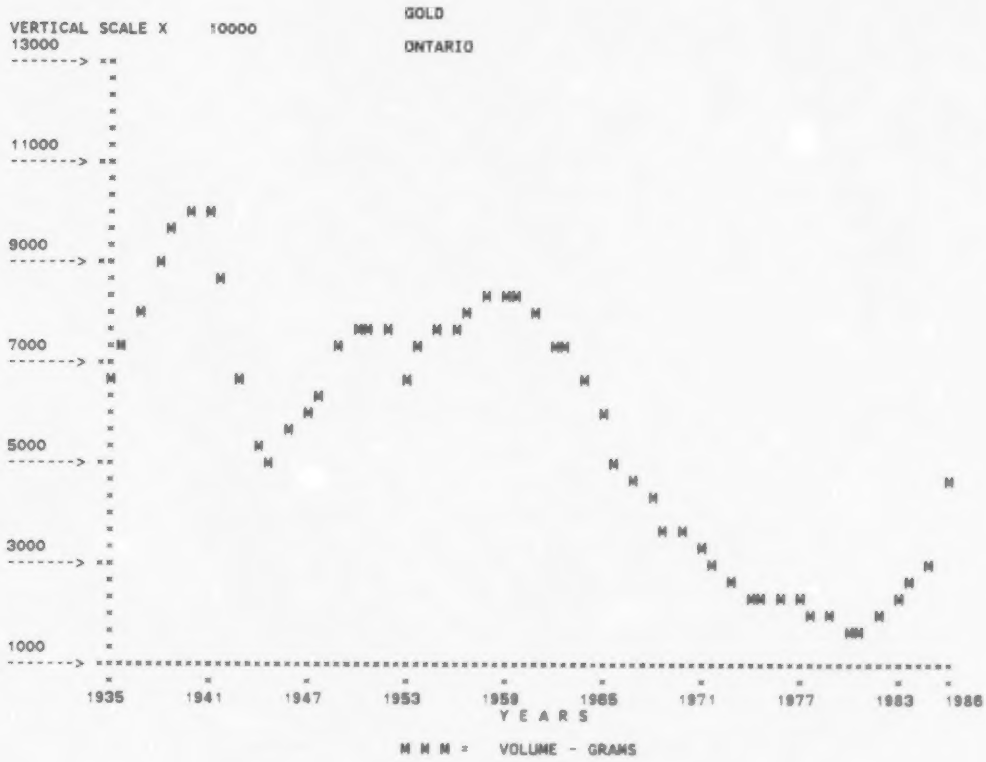
VERTICAL SCALE X 10000



C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF COPPER
IN ONTARIO

YEAR	VOLUME OF PRODUCTION: POUNDS	VOLUME OF PRODUCTION: KILOGRAMS	VALUE OF PRODUCTION: DOLLARS	VALUE OF PRODUCTION: 1971 DOLLARS	VALUE OF PRODUCTION: 1986 DOLLARS	UNIT VALUE: 1986 DOLLARS/KILOGRAMS
1905	9050000	4105010	688993	1913869	6300458	1.53
1906	12064000	5472138	960813	2668925	8786101	1.61
1907	13750000	6236895	1045511	2904197	9560617	1.53
1908	15122000	6859223	1071140	2975388	9794980	1.43
1909	15865264	7196362	1127016	3130600	10305935	1.43
1910	19260000	8736189	1374103	3816952	12565408	1.44
1911	18042000	8183713	1281591	3559975	11719437	1.43
1912	22252000	10093337	1584310	4400861	14487634	1.44
1913	25882868	11740271	1840492	5112477	16830277	1.43
1914	28904814	13111003	2081332	5781477	19032625	1.45
1915	39255484	17805988	3925118	10903105	35893023	2.02
1916	45016875	20419311	8332253	23145147	76193825	3.73
1917	42927755	19471702	7961193	22114425	72800687	3.74
1918	47113920	21370514	8474448	23540133	77494119	3.63
1919	24546071	11133910	3609687	10026908	33008582	2.96
1920	30227018	13710743	3965695	11015819	36264077	2.64
1921	10503179	4764161	1101730	3060361	10074708	2.11
1922	19917563	9034454	2067365	5742680	18904904	2.09
1923	28108707	12749895	3456073	9600202	31603867	2.48
1924	34580646	15685517	3819797	10610547	34929921	2.23
1925	39659791	17989378	4738432	13162311	43330328	2.41
1926	41312867	18739201	4828964	13230038	43553286	2.32
1927	45341295	20566465	4946533	13702307	45107996	2.19
1928	68400738	31026053	8770149	24429384	80421533	2.59
1929	88880853	40315677	14622609	40172002	132246233	3.28
1930	127708478	57927591	14056224	39706847	130714942	2.26
1931	112882625	51202697	8907069	26747954	88054266	1.72
1932	77055413	34951747	4407928	14644279	48208967	1.38
1933	145504720	65999831	10118847	34185294	112537989	1.71
1934	205059539	93013443	14822704	49409013	162654474	1.75
1935	252027928	114317945	19295965	64106196	211037598	1.85
1936	287914078	130595630	26898920	86491705	284730692	2.18
1937	313266041	142095086	40564887	126765272	417311276	2.94
1938	309030106	140173700	30405500	95315047	313777132	2.24
1939	328429665	148973190	32637305	102956798	338933784	2.28
1940	347931013	157818852	34742229	104961418	345532988	2.19
1941	333829767	151422636	33192644	92976594	306078948	2.02
1942	308282415	139834552	30625404	82105640	270291768	1.93
1943	277840533	126026346	32194369	83405102	274569596	2.18
1944	285307278	129413206	33845632	84826146	279247672	2.16
1945	239457242	108615978	29772270	72971250	240221356	2.21
1946	179430423	81388271	22503827	53580540	176387140	2.17
1947	227873343	103361610	46019294	100698674	331500036	3.21
1948	240687191	109173874	53366733	104028719	342462544	3.14
1949	226085423	102550624	44658786	83318631	274284936	2.67
1950	234420544	106331370	54411033	99290206	326863356	3.07
1951	257616806	116853018	70861788	115976740	381795428	3.27
1952	250715175	113722491	70981618	111431112	366831224	3.23
1953	261164653	118462295	77587440	121992830	401600396	3.39
1954	281552361	127710003	81343536	125918786	414524644	3.25
1955	292813108	132817792	107251943	165002988	543189848	4.09
1956	312541701	141766530	128552450	190730638	627885264	4.43
1957	343406269	155766464	98488877	143152436	471257820	3.03
1958	284069476	128851747	71267895	102103001	336123080	2.61
1959	376544371	170797654	110547037	155262694	511124788	2.99
1960	412544528	187127050	123750235	171636942	565028808	3.02
1961	423293547	192002724	122421860	168857738	555879672	2.90
1962	377990690	171453694	116347723	158296222	521111164	3.04
1963	357919536	162349572	112048454	149797398	493133028	3.04
1964	395833331	179546980	131458795	171393476	564227320	3.14
1965	432544119	196198714	161665138	204380706	672821280	3.43
1966	405951287	184136408	181375552	219317476	721993136	3.92
1967	552291827	250515358	261814899	304790336	1003369792	4.01
1968	581236227	263644318	278313194	313769104	1032927896	3.92
1969	477619761	216644680	244300501	263538838	867569856	4.00
1970	590184892	267703366	340839782	352107216	1159136960	4.33
1971	604739883	274305398	317527865	317527864	1045301728	3.81
1972	579445166	262831908	293493836	279784404	921050256	3.50
1973	574646559	260655296	365305858	321289236	1057684168	4.06
1974	625886355	283897276	483995146	374030256	1231307616	4.34
1975	568303206	257778000	361431937	246711220	812173344	3.15
1976	573637656	260197664	391377336	244000834	803250744	3.09
1977	617154302	279936484	427980593	249260680	820566160	2.93
1978	434397447	197039368	323999680	177339724	583802376	2.96
1979	425373435	192946146	457472114	227938274	750372792	3.89
1980	540186384	245024420	631187524	283425024	933035176	3.81
1981	499093006	226384780	521019544	211538588	696385040	3.08
1982	347996940	157848757	298008470	108682885	357784060	2.27
1983	499999960	226796167	457348815	157435048	518276180	2.29
1984	644682952	292423266	537391499	178416830	587348208	2.01
1985	614076128	278540249	545234742	173918580	572539960	2.06
1986	637790712	289297000	590456000	179360874	590456000	2.04
TOTAL	22301253227	10115678324		9313328413	30659477233	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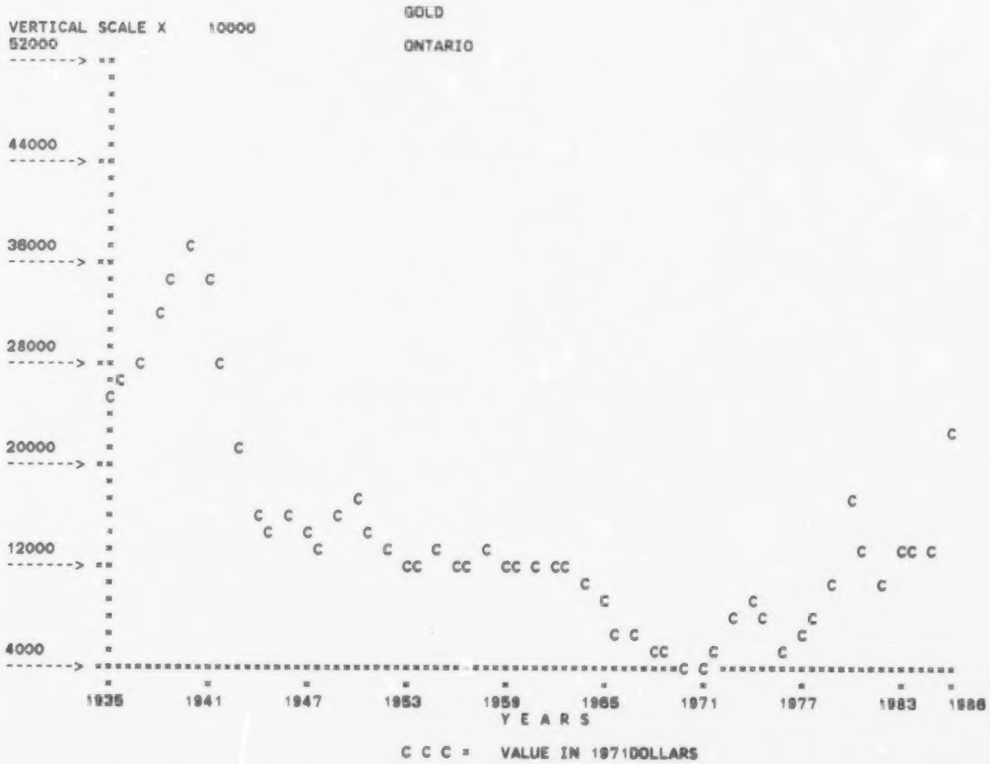
ONTARIO
VERTICAL SCALE X 10000
13000
11000
9000
7000
5000
3000
1000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
M M M = VOLUME - GRAMS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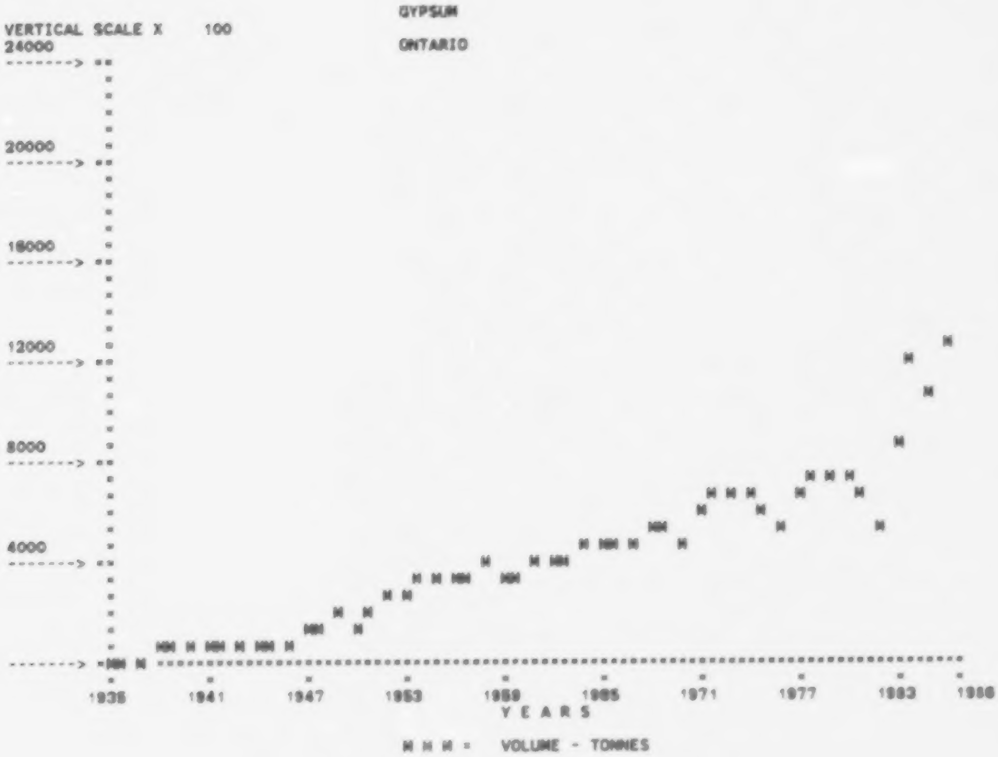
ONTARIO
VERTICAL SCALE X 10000
52000
44000
36000
28000
20000
12000
4000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF GOLD IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	TROY OUNCES	GRAMS	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/GRAMS
1905	5429	168860	100612	279477	920040	5.45
1906	3442	107058	66389	184413	607090	5.67
1907	3821	118846	66560	184888	608654	5.12
1908	3475	108084	60084	166900	549434	5.08
1909	2051	63793	32745	90958	299434	4.69
1910	3619	112563	68498	190272	626376	5.56
1911	2185	67961	43264	120177	395625	5.82
1912	102278	3181201	2133589	5926636	19510486	6.13
1913	220625	6862204	4544122	12622561	41553471	6.06
1914	268203	8342045	5545025	15402847	50706173	6.08
1915	407128	12663096	8409750	23360416	76902492	6.07
1916	497525	15474757	10332880	28702444	94488447	6.11
1917	420855	13090053	8697947	24160964	79537893	6.08
1918	411876	12810775	8502482	23618005	77750474	6.07
1919	505962	15737177	10451708	29032522	95575063	6.07
1920	565703	17595330	13067854	36299594	119498265	6.79
1921	712570	22163404	16085413	44681703	147092166	6.64
1922	995850	30974397	20788693	57746369	190101048	6.14
1923	974221	30301660	20417049	56714025	186702570	6.16
1924	1241726	38621996	25872600	71868334	236590554	6.13
1925	1461111	45445632	30152453	83756814	275727432	6.07
1926	1497312	46571609	30952317	84800869	279164460	5.99
1927	1627048	50606849	33679706	93295584	307129064	6.07
1928	1578412	49094101	32631922	90896718	299231996	6.10
1929	1622253	50457708	33696819	92573678	304752548	6.04
1930	1736009	53995915	35923157	101477845	334065064	6.19
1931	2085815	64876098	45016930	135185974	445032224	6.86
1932	2287391	71145813	53418277	177469360	584229136	8.21
1933	2155610	67046965	60752124	205243662	675662144	10.08
1934	2105338	65483331	72808295	242694318	798949704	12.20
1935	2220426	69062968	78067209	259359500	853811472	12.36
1936	2389558	74323562	83308201	267872030	881834720	11.86
1937	2587090	80467494	90508688	282839652	931108128	11.57
1938	2896477	90090505	101945441	319578184	1052051376	11.68
1939	3086060	95987195	112114762	353674328	1164295904	12.13
1940	3261688	101449837	125579597	379394556	1248966880	12.31
1941	3194309	99354116	122977102	344473676	1134007344	11.41
1942	2763822	85964473	106413978	285292164	939181808	10.93
1943	2117214	65852716	81517998	211186524	695226040	10.56
1944	1731838	53866183	66675000	167105264	550110528	10.21
1945	1625367	50554564	62576089	153372768	504903152	9.99
1946	1801294	56026506	65998448	157139162	517302120	9.23
1947	1939317	60319501	67876390	148526018	488947652	8.11
1948	2095424	65174971	73339904	142962776	470633460	7.22
1949	2354510	73233447	85269362	159084632	523706608	7.15
1950	2481113	77171241	94216874	171928602	565988952	7.33
1951	2462978	76607179	91105477	149108800	490866172	6.41
1952	2513701	78184841	87540620	137426406	452407732	5.79
1953	2182438	67881410	75388307	118535074	390217460	5.75
1954	2361387	73447346	80460251	124551472	410023444	5.58
1955	2523040	78475316	87223660	134190246	441754296	5.63
1956	2513912	78191403	86489962	128323386	422440592	5.40
1957	2578206	80191170	86621067	125902713	414471728	5.17
1958	2716514	84493030	92192231	132080560	434809204	5.15
1959	2683449	83464594	90083383	126521606	416509128	4.99
1960	2732673	84995631	92774248	128674407	423596148	4.98
1961	2637720	82042263	93533551	129011794	424706828	5.18
1962	2421249	75309262	90578924	123236631	405694992	5.39
1963	2338854	72746491	88291739	118037083	388578076	5.34
1964	2155370	67039500	81365217	106082422	349223332	5.21
1965	1946003	60527459	73420747	92820161	305563968	5.05
1966	1660750	51655099	62626883	75727791	249295888	4.83
1967	1495385	46511672	56450784	65716861	216339908	4.65
1968	1379779	42915924	52031466	58660052	193108892	4.50
1969	1229666	38246888	46346112	49995806	164586192	4.30
1970	1162042	36143546	42484255	43888693	144481578	4.00
1971	1133987	35270938	40079636	40079636	131942162	3.74
1972	1019303	31703867	58720007	55977128	184276708	5.81
1973	922303	28686830	89843380	79017924	260127008	9.07
1974	801105	24917150	124427629	96157365	316550048	12.70
1975	755148	23487728	123678894	84422454	277918720	11.83
1976	739547	23002483	91043412	56760232	186854684	8.12
1977	739122	22989264	116107936	67622560	222613486	9.68
1978	701035	21804625	154613020	84571986	278410980	12.77
1979	616422	19172867	221473644	110350595	363274156	18.95
1980	594708	18497499	403893082	181361960	597043568	32.28
1981	588612	18307895	333797134	135524618	446147048	24.37
1982	647414	20136843	306786475	111884199	368322786	18.29
1983	747833	23260217	389337983	134023402	441205040	18.97
1984	894461	27820870	413229920	137194528	451644388	16.23
1985	1015951	31599636	441492613	140826990	463602452	14.67
1986	1502083	46720000	765781000	232618772	765781000	16.39
TOTAL	121164502	3768637298		9459424476	31140425445	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VERTICAL SCALE X 100
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20000
16000
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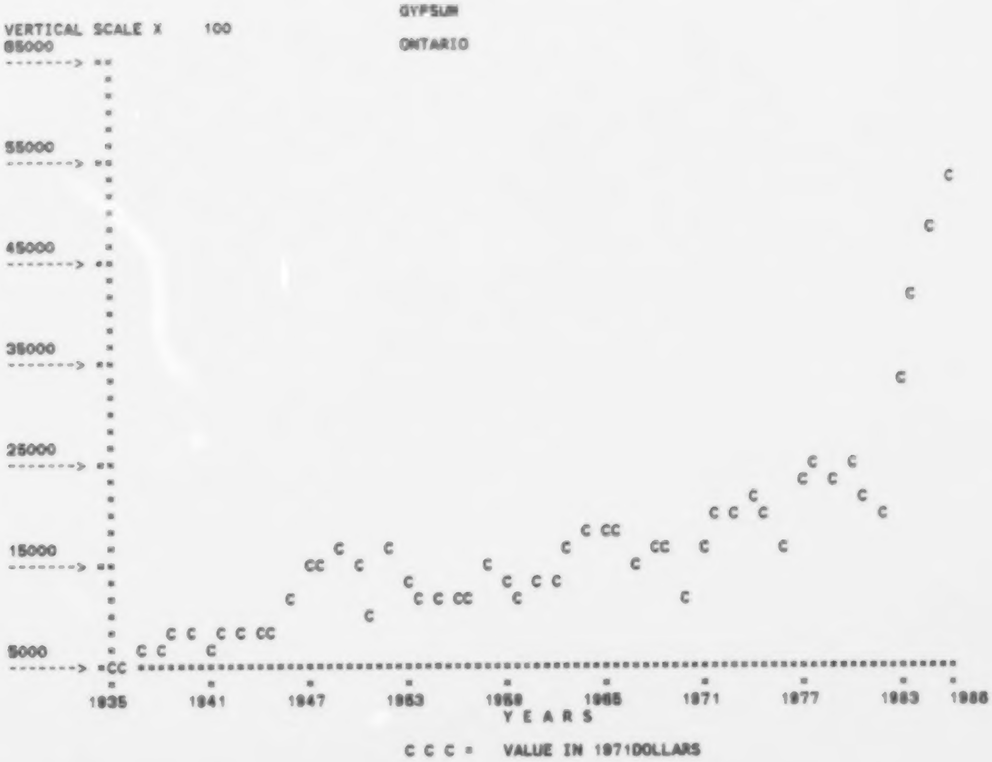
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
M M M = VOLUME - TONNES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45000
35000
25000
15000
5000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

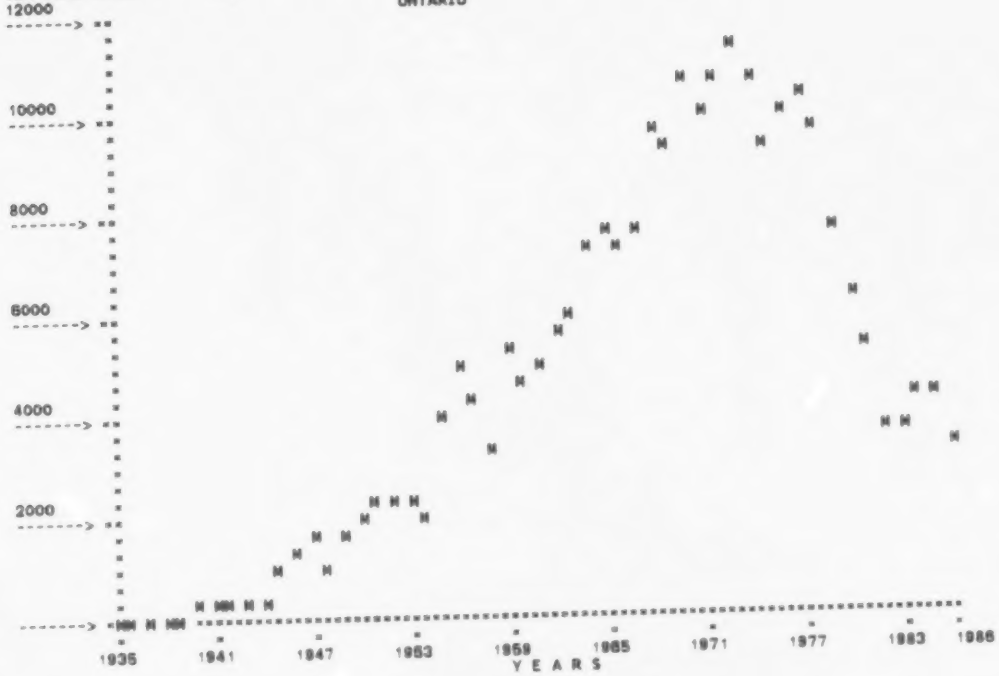
VOLUME AND VALUE OF PRODUCTION OF GYPSUM IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/TONNES
1905	4206	3815	27951	77641	255596	67.00
1906	4711	4273	25095	69708	229479	53.70
1907	10186	9240	19652	54588	179706	19.45
1908	10389	9424	20778	57716	190003	20.16
1909	11488	10421	23604	65566	215845	20.71
1910	10043	9110	17825	49513	162999	17.89
1911	20336	18447	32535	90375	297514	16.13
1912	31331	28423	50246	139572	459471	16.17
1913	40581	36814	92627	257297	847022	23.01
1914	74300	67403	221175	614375	2022522	30.01
1915	81172	73638	200422	556727	1832747	24.89
1916	36668	33264	116208	322800	1062657	31.95
1917	48943	44400	130138	361494	1190039	26.80
1918	38214	34667	151564	421011	1385968	39.98
1919	59899	54339	278111	772530	2543170	46.80
1920	74707	67773	404162	1122672	3695836	54.53
1921	84790	76920	433053	1202925	3960029	51.48
1922	110227	99996	621668	1726855	5684808	56.85
1923	99958	90680	542317	1506436	4959187	54.69
1924	88121	79942	467097	1297491	4271342	53.43
1925	82020	74407	491833	1366202	4497539	60.45
1926	89987	81634	489059	1359065	4474044	54.81
1927	83998	76201	500688	1386947	4565830	59.92
1928	85811	77846	553271	1541144	5073448	65.17
1929	100347	91033	832689	2287607	7530802	82.73
1930	94946	86133	779069	2192285	7217003	83.79
1931	53356	48405	374469	1124531	3701957	76.48
1932	35655	32345	186176	618524	2036184	62.95
1933	24460	22189	112319	379456	1249169	56.30
1934	33234	30149	141389	471296	1551508	51.46
1935	38247	34697	164807	547531	1802473	51.95
1936	40191	36460	182783	587726	1934795	53.07
1937	53780	48788	233895	730921	2406194	49.32
1938	57503	52166	242470	760094	2502229	47.97
1939	59440	53923	260793	822690	2708298	50.23
1940	75271	68284	313512	947166	3118071	45.66
1941	90599	82190	276459	774394	2549308	31.02
1942	82795	75110	304170	815469	2684524	35.74
1943	92448	83867	335637	869525	2862479	34.13
1944	90288	81907	348873	874368	2878420	35.14
1945	92174	83618	385516	944892	3110585	37.20
1946	122527	111154	490980	1169000	3848348	34.62
1947	155249	140839	671548	1469470	4837496	34.35
1948	182303	165382	770004	1500982	4941234	29.88
1949	203187	184328	871467	1625871	5352368	29.04
1950	199314	180814	875217	1597111	5257690	29.08
1951	262581	238209	672276	1100288	3622148	15.21
1952	278992	253097	1060429	1664723	5480270	21.66
1953	334495	303448	899630	1414512	4656575	15.35
1954	357432	324256	822094	1272591	4189370	12.92
1955	366416	332407	808424	1243729	4094356	12.32
1956	366956	332896	840829	1247520	4106838	12.34
1957	379621	344386	853199	1240114	4082457	11.85
1958	425733	386218	1059590	1518037	4997378	12.94
1959	412100	373850	1017340	1428848	4703768	12.58
1960	355603	322597	871408	1208610	3978744	12.33
1961	425287	385813	991944	1368198	4504109	11.67
1962	435140	394752	1007818	1371180	4513927	11.43
1963	439206	398440	1225301	1638102	5392634	13.53
1964	517239	469231	1376992	1795295	5910114	12.60
1965	531918	482547	1444293	1825907	6010888	12.46
1966	565185	512727	1581010	1911741	6293452	12.27
1967	536375	486591	1266365	1476559	4860835	9.99
1968	570715	517743	1461189	1647338	5423037	10.47
1969	622058	564321	1597938	1723773	5674662	10.06
1970	537271	487404	1195424	1234942	4065429	8.34
1971	699041	634159	1656421	1656421	5452937	8.60
1972	726491	659061	2158231	2057417	6773018	10.28
1973	754330	684316	2393625	2105211	6930354	10.13
1974	774398	702522	2783539	2151112	7081461	10.08
1975	695117	630600	2936056	2004133	6597608	10.46
1976	632757	574028	2880192	1670942	5500743	9.58
1977	770945	699390	3991126	2324476	7652176	10.94
1978	833013	755697	4524758	2476605	8152984	10.79
1979	819580	743511	4831117	2407133	7924283	10.66
1980	815743	740030	5728570	2572326	8468087	11.44
1981	716002	649548	6477033	2223724	7320500	11.27
1982	633106	574346	6516064	2011693	6622495	11.53
1983	999843	907042	9937629	3420870	11261505	12.42
1984	1304248	1183194	12715599	4221646	13897660	11.75
1985	1228457	1114437	15065560	4802417	15809559	14.19
1986	1442925	1309000	17550000	5331105	17550000	13.41
TOTAL	25825722	23428669		112300797	369694306	

IRON ORE

ONTARIO

VERTICAL SCALE X 1000

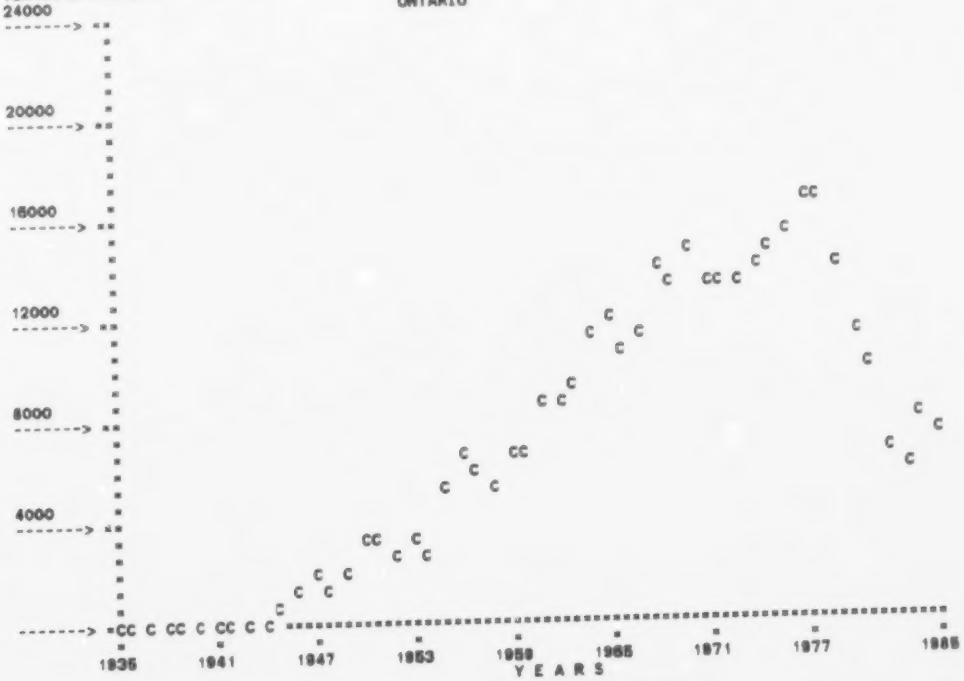


M M M = VOLUME - TONNES

IRON ORE

ONTARIO

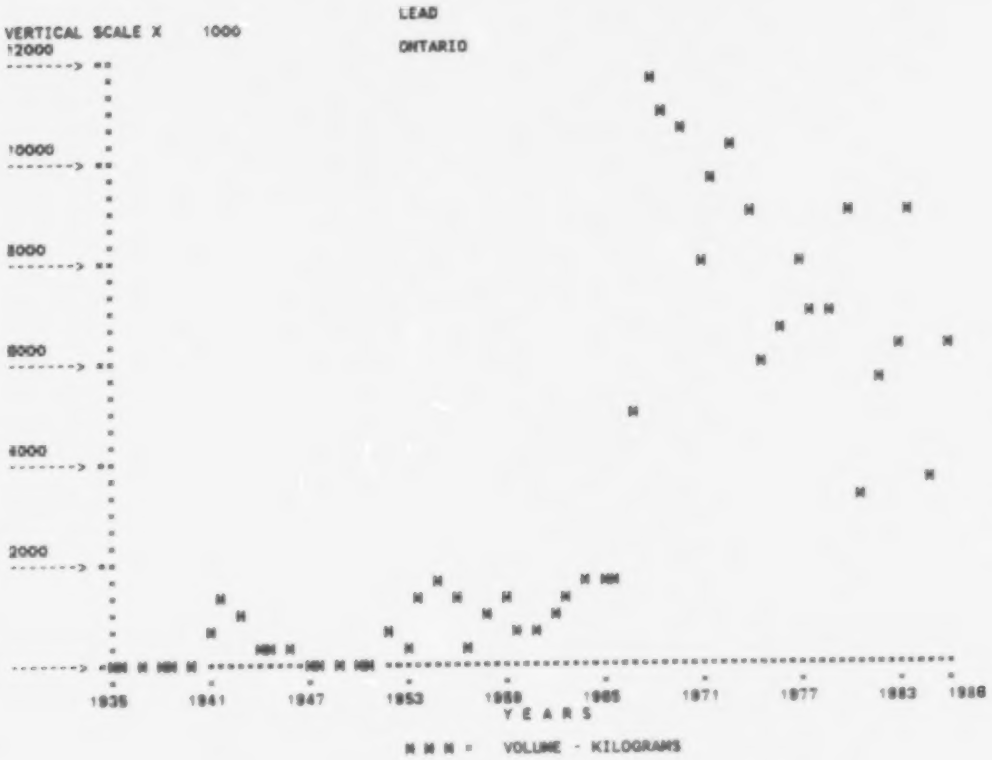
VERTICAL SCALE X 10000

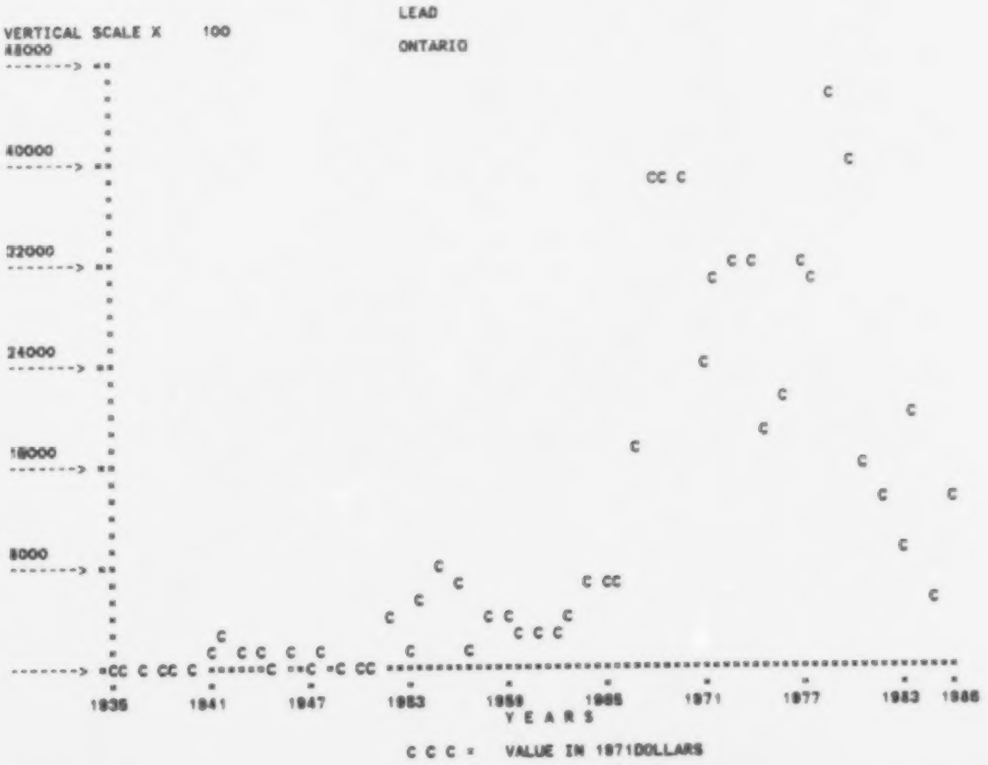


C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF IRON ORE IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/TONNES
1905	211597	191957	227909	633080	2084101	10.86
1906	128099	116209	301032	835200	2752770	23.69
1907	205295	186240	482532	1340386	4412487	23.69
1908	216177	196112	593760	1649333	5429605	27.69
1909	263777	239294	645622	1793394	5903854	24.67
1910	230656	209247	513721	1427002	4697693	22.45
1911	175631	159329	445929	1238691	4077772	25.59
1912	117357	106464	238883	663563	2184452	20.52
1913	195937	177751	424072	1177977	3877902	21.82
1914	240059	217777	531379	1476052	4859165	22.31
1915	394053	357478	764515	2123652	6991064	19.56
1916	320487	290740	763136	2119822	6978454	24.00
1917	297239	269650	823742	2288172	7532683	27.93
1918	228479	207272	1023077	2841880	9355470	45.14
1919	195915	177731	688452	1912366	6295511	35.42
1920	126710	114949	510000	1416666	4663666	40.57
1921	58508	53077	227134	630927	2077014	39.13
1922	16191	14688	52055	144597	476014	32.41
1923	30451	27624	113543	315397	1038287	37.59
1924	44	39	110	305	1005	25.77
1925	0	0	0	0	0	.00
1926	0	0	0	0	0	.00
1927	0	0	0	0	0	.00
1928	0	0	0	0	0	.00
1929	0	0	0	0	0	.00
1930	0	0	0	0	0	.00
1931	0	0	0	0	0	.00
1932	0	0	0	0	0	.00
1933	0	0	0	0	0	.00
1934	0	0	0	0	0	.00
1935	0	0	0	0	0	.00
1936	0	0	0	0	0	.00
1937	0	0	0	0	0	.00
1938	0	0	0	0	0	.00
1939	123598	112126	341594	1077583	3547405	31.64
1940	404752	367184	1183861	3576619	11774231	32.07
1941	516037	468140	1426057	3994557	13150083	28.09
1942	545119	494523	1516142	4064723	13381070	27.06
1943	498850	452549	1452250	3762305	12385510	27.37
1944	553252	501901	1909608	4785985	15755482	31.39
1945	1135444	1030057	3635095	8909546	29330227	28.47
1946	1549523	1405703	6822947	16245112	53478908	38.04
1947	1919366	1741219	3313201	20378995	67087653	38.53
1948	1336565	1212511	7482860	14586471	48018665	39.60
1949	2011736	1825016	13192781	24613397	81027305	44.40
1950	2435716	2209644	17562059	32047552	105500544	47.75
1951	2841984	2578204	21205152	34705650	114250999	44.31
1952	2717490	2465265	19632551	30820331	101460532	41.16
1953	2832090	2569228	23137997	36380498	119764600	46.62
1954	2416911	2192584	20341203	31487930	103658266	47.28
1955	4362191	3957313	34340897	52832149	173923436	43.95
1956	5558203	5042316	44177246	65544875	215773732	42.79
1957	4867105	4415363	41317629	60054693	197700048	44.78
1958	3644952	3306644	36851421	52795732	173803550	52.56
1959	6018089	5459518	50830404	71391017	235019230	43.05
1960	5325197	4830937	48399442	67128213	220986078	45.74
1961	5772664	5236872	62350773	86001066	283115508	54.06
1962	6414936	5819532	64479510	87727225	288798024	49.63
1963	6749617	6123149	70033690	93627927	308223136	50.34
1964	8046769	7299906	85613354	111621062	367456536	50.34
1965	8475218	7688588	94209236	119101436	392081928	51.00
1966	8144289	7388374	91700740	110883604	365028824	49.41
1967	8649763	7846933	99903925	116302590	382868128	48.79
1968	10907197	9894842	127137824	143334638	471857632	47.69
1969	10516786	9540667	128166423	138259356	455149800	47.71
1970	11828337	10730486	144765483	149551120	492322288	45.88
1971	11178670	10141118	136205400	136205400	448388176	44.21
1972	11755336	10664261	139514537	132997654	437828280	41.06
1973	12424318	11271151	152468574	134097250	441448152	39.17
1974	12021608	10905819	180089730	139172898	458157188	42.01
1975	10476161	9503813	219024019	149504452	492168660	51.79
1976	11112149	10080772	252317984	157305476	517849632	51.37
1977	11375475	10319657	287810755	167624202	551818664	53.47
1978	10582190	9600001	308366931	168783212	555634336	57.88
1979	8680634	7874938	287190991	143094684	471067636	59.82
1980	7241227	6569131	261998580	117646421	387292016	58.96
1981	5946551	5394620	245462549	99659988	328080680	60.82
1982	4023719	3650257	193445956	70549218	232248026	63.63
1983	4206088	3815698	183793038	63267827	208277686	54.58
1984	5016240	4550657	236348856	78469075	258320198	56.77
1985	4770340	4327580	232496191	74161485	244139542	56.41
1986	3711482	3367000	N/A	N/A	N/A	N/A
TOTAL	277294596	251557395		3656162601	12036087368	


LEAD
ONTARIO
VERTICAL SCALE X 1000
12000
10000
8000
6000
4000
2000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
M M M = VOLUME - KILOGRAMS

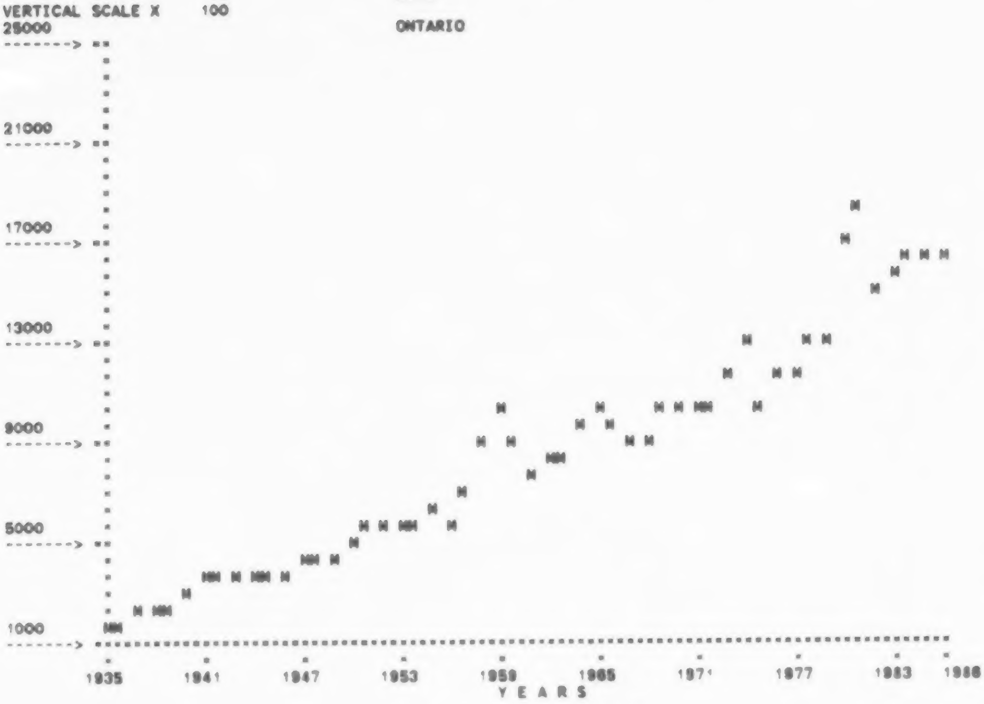

LEAD
ONTARIO
VERTICAL SCALE X 100
48000
40000
32000
24000
16000
8000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF LEAD
IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/KILOGRAMS
1905	282000	127913	9000	25000	82300	.64
1906	2200000	997903	93000	258333	850433	.85
1907	0	0	0	0	0	.00
1908	0	0	0	0	0	.00
1909	0	0	0	0	0	.00
1910	0	0	0	0	0	.00
1911	0	0	0	0	0	.00
1912	52000	23586	1290	3583	11796	.50
1913	0	0	0	0	0	.00
1914	0	0	0	0	0	.00
1915	0	0	0	0	0	.00
1916	796833	361437	70863	196841	648002	1.79
1917	1775674	805432	172849	480136	1580608	1.96
1918	1670251	757613	149841	416225	1370212	1.81
1919	1480987	671764	94507	262519	864214	1.29
1920	2232253	1012532	179714	499205	1643384	1.62
1921	3576222	1622147	191113	530869	1747622	1.08
1922	2895695	1313465	173742	482616	1588774	1.21
1923	5256623	2384364	347886	966350	3181224	1.33
1924	5506756	2497822	419405	1165013	3835225	1.54
1925	7268193	3296796	601704	1671400	5502248	1.67
1926	7398796	3356037	580730	1591041	5237707	1.56
1927	7990709	3624524	528729	1464623	4821539	1.33
1928	6814757	3091121	402289	1120582	3688956	1.19
1929	4769506	2163411	294449	808925	2662983	1.23
1930	2193856	995116	116034	327779	1079050	1.08
1931	985633	447075	41987	126087	415078	.93
1932	86477	39225	1756	5833	19205	.49
1933	29910	13566	692	2337	7696	.57
1934	21558	9778	525	1750	5761	.59
1935	22532	10220	706	2345	7721	.76
1936	17442	7911	683	2196	7229	.91
1937	29849	13539	1525	4765	15688	1.16
1938	22363	10143	748	2344	7719	.76
1939	39130	17749	1240	3911	12877	.73
1940	345455	156695	11614	35087	115508	.74
1941	1622823	736100	54559	152826	503104	.68
1942	3183159	1443856	107018	286911	944512	.65
1943	2273896	1031421	85362	221145	728009	.71
1944	1065741	483411	47958	120195	395683	.82
1945	668762	303345	33438	81955	269798	.89
1946	699244	317171	47199	112378	369950	1.17
1947	282765	128260	38654	84582	278444	2.17
1948	343883	155982	62037	120929	398100	2.55
1949	0	0	0	0	0	.00
1950	0	0	0	0	0	.00
1951	0	0	0	0	0	.00
1952	1803455	818033	291979	458365	1508940	1.84
1953	656755	297899	84892	133477	439409	1.48
1954	2815611	1277139	375321	580992	1912626	1.50
1955	3853603	1747964	544148	837150	2755900	1.58
1956	3010163	1365386	466876	692694	2280349	1.67
1957	1012565	459291	141354	205456	676362	1.47
1958	2513224	1139979	285502	409028	1346522	1.18
1959	3222447	1461677	341902	480199	1580816	1.08
1960	1661896	753823	177490	246171	810398	1.08
1961	1670535	757741	170562	235257	774469	1.02
1962	2287087	1037405	226879	308674	1016170	.98
1963	3077814	1396072	338560	452620	1490026	1.07
1964	4054865	1839255	544974	710526	2339054	1.27
1965	3877218	1758676	602518	761716	2507571	1.43
1966	3970467	1800973	593188	717276	2361275	1.31
1967	11058534	5016066	1548195	1802322	5933245	1.18
1968	25800813	11703052	3467629	3909390	12869712	1.10
1969	24193257	10973876	3670117	3959133	13033464	1.19
1970	23920137	10849991	3784166	3909262	12869291	1.19
1971	17830939	8087977	2407177	2407177	7924426	.98
1972	21210868	9621087	3272413	3119554	10269574	1.07
1973	22992003	10428999	3710910	3263773	10744341	1.03
1974	20221581	9172354	4187081	3235765	10652141	1.16
1975	13651446	6192191	2766329	1888279	6216215	1.00
1976	15224610	6905766	3448831	2150144	7078274	1.02
1977	17942009	8138358	5648504	3289751	10829863	1.33
1978	15565022	7060175	5731508	3137114	10327380	1.46
1979	15363345	6968696	9206177	4587033	15100515	2.17
1980	19753106	8959858	9087822	4080746	13433816	1.50
1981	7459387	3383521	4008744	1627585	5358012	1.58
1982	12559368	5696833	3815768	1391600	4581148	.80
1983	14426829	6543900	2865309	986337	3247021	.50
1984	19690357	8931396	6310602	2095153	6897244	.77
1985	8419528	3819034	1907276	608381	2002791	.52
1986	14422641	6542000	4407000	1338699	4407000	.67
TOTAL	457095221	207334873		73865419	242473723	

LINE

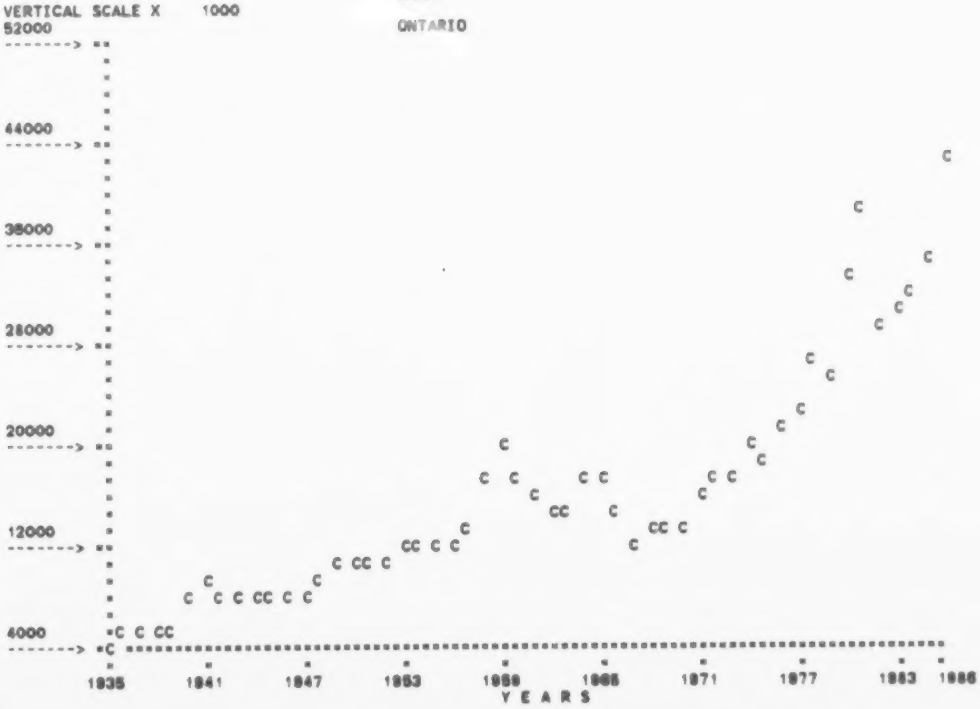
ONTARIO



M M M = VOLUME - TONNES

LINE

ONTARIO

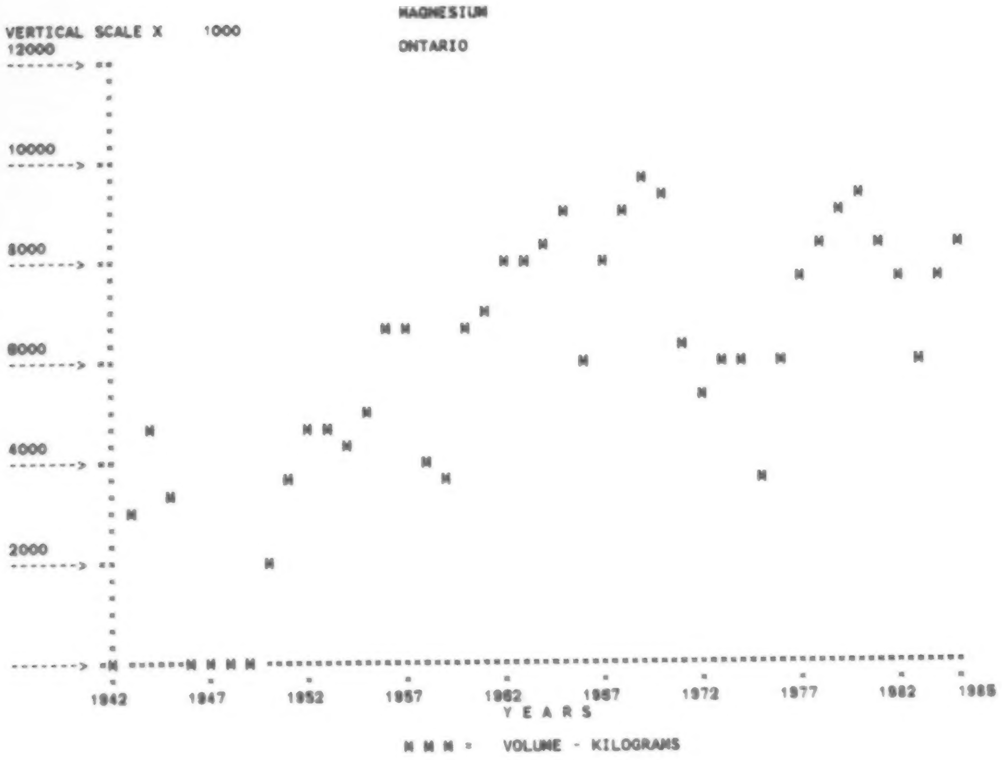


C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF LIME
IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/TONNES
1905	108500	98429	424700	1179722	3883845	39.46
1906	98000	88904	496785	1379958	4542822	51.10
1907	92750	84141	418700	1163055	3828778	45.50
1908	85482	77547	448596	1246100	4102161	52.90
1909	92173	83617	470858	1307938	4305734	51.49
1910	101123	91737	474531	1318141	4339322	47.30
1911	86442	78418	402340	1117611	3679175	46.92
1912	80413	72949	381672	1060200	3490178	47.84
1913	80535	73060	390600	1085000	3571820	48.89
1914	72633	65891	333407	926130	3048821	46.27
1915	46914	42559	244953	680425	2239959	52.63
1916	50864	46143	265356	737100	2426533	52.59
1917	98717	89554	657364	1826011	6011228	67.12
1918	92760	84150	872177	2422713	7975574	94.78
1919	106451	96570	960948	2669300	8787335	90.99
1920	145811	132277	1402458	3895716	12824699	96.95
1921	96707	87731	962439	2673441	8800970	100.32
1922	137898	125098	1311563	3643230	11993515	95.87
1923	168365	152738	1373823	3816175	12562848	82.25
1924	153687	139422	1401545	3893180	12816350	91.92
1925	179053	162434	1566540	4351500	14325138	88.19
1926	189079	171529	1593488	4365665	14371771	83.79
1927	198383	179970	1657552	4591556	15115404	83.99
1928	228101	206929	1870476	5210239	17152108	82.89
1929	314246	285079	2624285	7209574	23733918	83.25
1930	209340	189910	1673409	4727144	15561758	81.94
1931	113267	102754	841194	2526108	8315947	80.93
1932	143185	129895	1018007	3382083	11133817	85.71
1933	126460	114722	1006905	3401706	11198416	97.61
1934	168760	153096	1287250	4290833	14125423	92.27
1935	198338	179929	1478106	4910651	16165863	89.85
1936	219943	199528	1674851	5385373	17728648	88.85
1937	268304	243401	1874405	5857515	19282941	79.22
1938	242631	220111	1692228	5304789	17463368	79.34
1939	268622	243689	1870035	5899164	19420048	79.69
1940	372633	338046	2752786	8316574	27378182	80.99
1941	431124	391109	3246647	9094249	29938268	76.55
1942	415699	377115	3125574	8379554	27585494	73.15
1943	411921	373688	3115194	8070450	26567924	71.10
1944	429285	389440	3311177	8298689	27319285	70.15
1945	398647	361646	3131676	7675676	25268327	69.87
1946	410171	372100	3316231	7895788	25992934	69.85
1947	490681	445138	3996494	8745063	28788749	64.67
1948	508130	460967	4761520	9281715	30555407	66.29
1949	529986	480795	5569550	10390951	34207012	71.15
1950	571490	518447	6030228	11004065	38225384	69.87
1951	619769	562244	6921916	11328831	37294513	66.33
1952	622279	564522	6921062	10865089	35767875	63.36
1953	659062	597890	7714252	12129327	39929744	66.78
1954	610591	553918	7680739	11889688	39140855	70.66
1955	698245	633437	8420382	12954433	42645996	67.32
1956	673357	610859	8258857	12253497	40338512	66.04
1957	766143	695033	9416868	13687308	45058618	64.83
1958	1009916	916180	12644925	18115938	59637869	65.09
1959	1130055	1025168	14006532	19672095	64760539	63.17
1960	990088	898192	12278630	17030000	56062760	62.42
1961	865130	784832	11548132	15928457	52436483	66.81
1962	910930	826381	10527910	14323687	47153578	57.06
1963	952945	864497	11434223	15286394	50322809	58.21
1964	1049798	952360	13127550	17115450	56344081	59.16
1965	1132193	1027108	13842169	17499581	57608622	56.09
1966	1078350	978262	12232867	14791858	48694798	49.78
1967	974458	884013	11101674	12923951	42545847	48.13
1968	1013712	919624	11771960	13271657	43690298	47.51
1969	1129274	1024460	12433603	13412732	44154715	43.10
1970	1163675	1055668	13810022	14266551	46965488	44.49
1971	1167053	1058732	16885560	16885560	55587263	52.50
1972	1192197	1081542	18475204	17612206	57979382	53.61
1973	1307334	1185993	20626152	18140854	59719894	50.35
1974	1414106	1282855	26304211	20327829	66919215	52.16
1975	1173209	1064318	27063022	18473052	60813290	57.14
1976	1285685	1166354	35255063	21979465	72356401	62.04
1977	1326987	1203823	39971386	23279782	76637042	63.66
1978	1479048	1341770	48493285	26542575	87378157	65.12
1979	1452784	1317944	51920880	25869895	85163695	64.62
1980	1855682	1683447	74389285	33403381	109963864	65.32
1981	2024029	1836168	94699716	38448930	126573880	68.93
1982	1697104	1539642	82812542	30201510	99423373	64.58
1983	1748679	1586375	89251887	30723541	101141897	63.76
1984	1815082	1646615	98100718	32569959	107220307	65.12
1985	1821528	1652463	109975700	35079968	115483255	69.89
1986	1800074	1633000	140421000	42655224	140421000	85.99
TOTAL	52844315	47758091		927548055	3053488274	

* IN 1985 INCLUDES 519709 TONNES, $33281376 OF LIME PRODUCED FOR CAPTIVE USE.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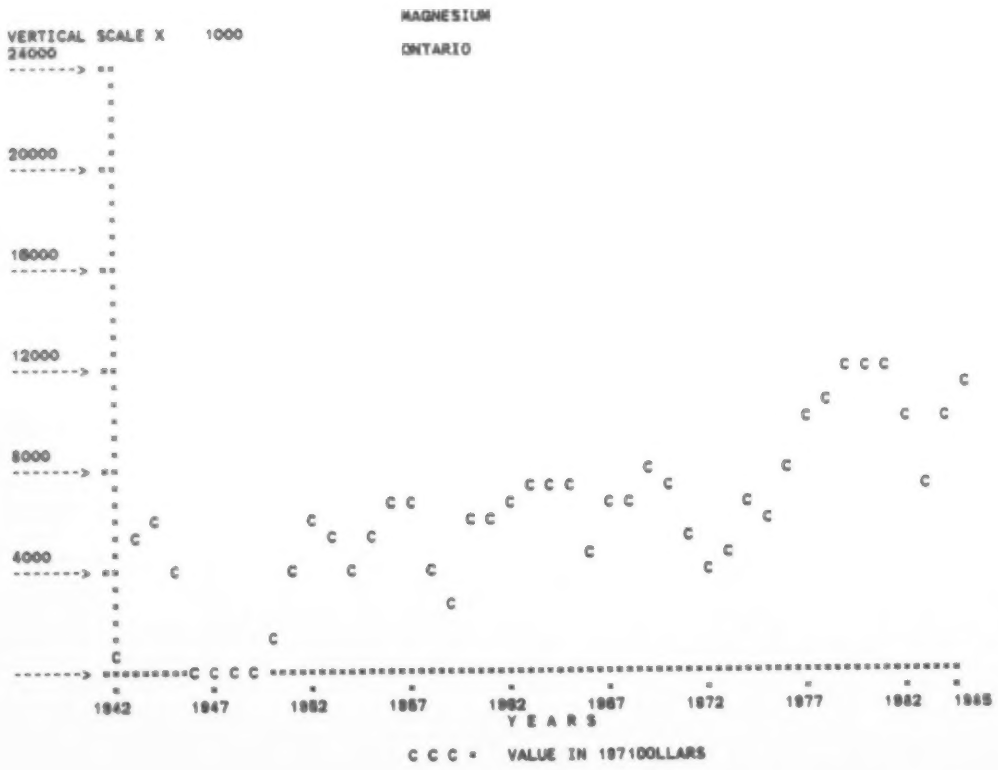
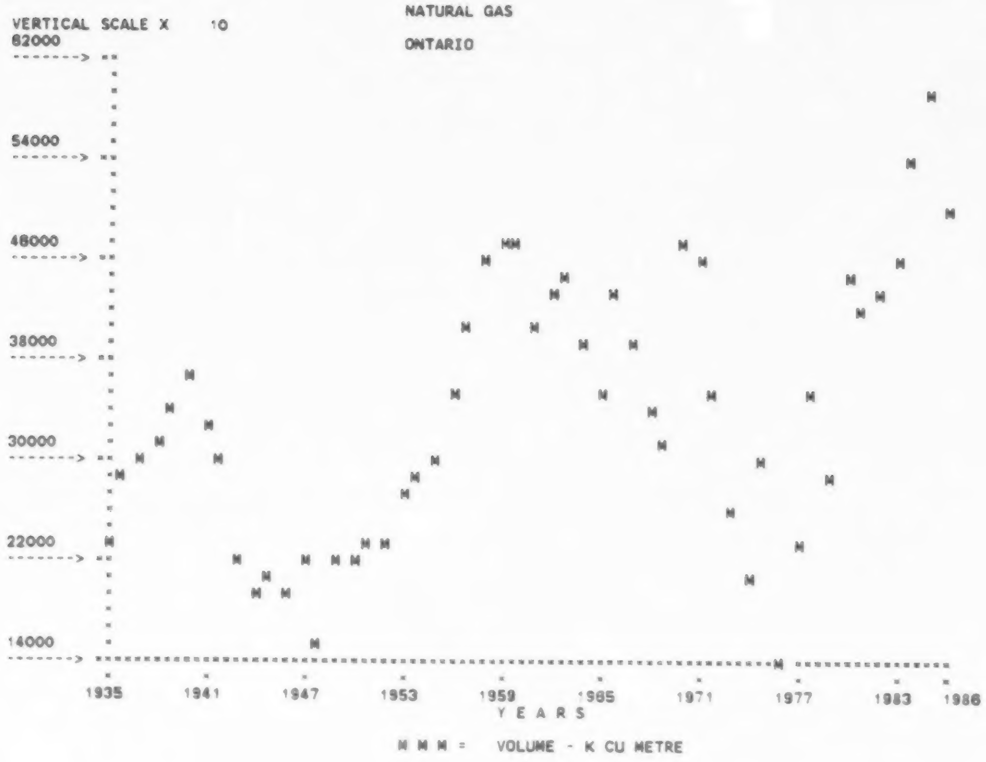
ONTARIO
VERTICAL SCALE X 1000
12000
10000
8000
6000
4000
2000
1942
1947
1952
1957
1962
1967
1972
1977
1982
1985
Y E A R S
M M M = VOLUME - KILOGRAMS


MAGNESIUM
ONTARIO
VERTICAL SCALE X 1000
24000
20000
16000
12000
8000
4000
1942
1947
1952
1957
1962
1967
1972
1977
1982
1985
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF MAGNESIUM
IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/KILOGRAMS
1942	437910	198632	208520	559034	1840342	9.27
1943	7153974	3244988	2047652	5304798	17463395	5.38
1944	10579778	4798906	2575695	6455375	21251097	4.43
1945	7358545	3337779	1807264	3939372	12968414	3.89
1946	320677	145456	75538	179852	592074	4.07
1947	24709	11207	10843	23726	78107	6.97
1948	0	0	0	0	0	.00
1949	0	0	0	0	0	.00
1950	4693478	2128926	1000177	1825140	6008382	2.82
1951	8054621	3653515	2565329	4198574	13821707	3.78
1952	10555856	4788056	3732430	5859387	19289104	4.03
1953	10098778	4580729	3813331	5681338	18702984	4.08
1954	9633434	4369652	2878470	4455835	14668611	3.36
1955	11367204	5156077	3374923	5192189	17092687	3.32
1956	14639734	6640471	4543202	6740655	22190239	3.34
1957	15184373	6887515	4767043	6928841	22809746	3.31
1958	9087362	4121958	2747755	3936611	12959325	3.14
1959	8144940	3694482	2202392	3093247	10182969	2.76
1960	14577138	6612078	4313987	5983338	19697150	2.98
1961	15270618	6926635	4307570	5941475	19559338	2.82
1962	17631310	7997427	4821823	6560303	21596518	2.70
1963	17810348	8078638	5357816	7162855	23580120	2.92
1964	18706020	8484908	5587909	7285409	23983567	2.83
1965	20216389	9169990	6067057	7670110	25250002	2.75
1966	13445701	6098867	4175743	5049266	16622183	2.73
1967	17774684	8062461	5653243	6581190	21665280	2.69
1968	19856937	9006955	6181992	6969551	22943763	2.55
1969	21274841	9650105	7263849	7835867	25795675	2.67
1970	20707110	9392587	7140807	7376866	24284645	2.59
1971	14467305	6562259	5163921	5163921	16999628	2.59
1972	11847671	5374013	4537125	4325190	14238527	2.65
1973	13769528	6245752	5482588	4821977	15873948	2.54
1974	13132868	5956968	9260172	7156238	23558338	3.95
1975	8434219	3825697	8788248	5998804	19748063	5.16
1976	13430131	6091804	12825301	7995823	26322251	4.32
1977	16827104	7632646	17766569	10347448	34063800	4.46
1978	18323120	8311227	20155430	11031981	36317282	4.37
1979	19874671	9014999	24444031	12179387	40094544	4.45
1980	20397245	9252035	27821844	12492989	41126857	4.45
1981	18845207	8548042	29439456	11952682	39348229	4.60
1982	16821630	7630163	27811944	10142940	33390561	4.38
1983	13184227	5980265	21978106	7565613	24905998	4.16
1984	16727622	7587522	30926740	10267841	33801738	4.45
1985	18620815	8446260	36369595	11601146	38190975	4.52
TOTAL	559309812	253698652		271834164	894878119	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NATURAL GAS
ONTARIO
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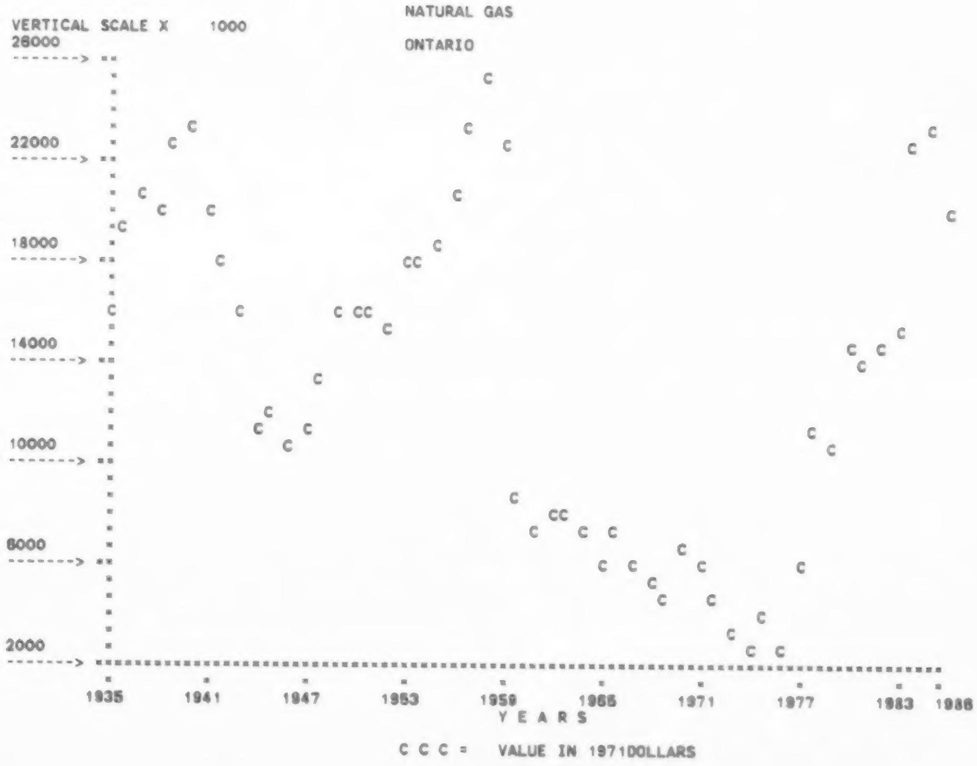
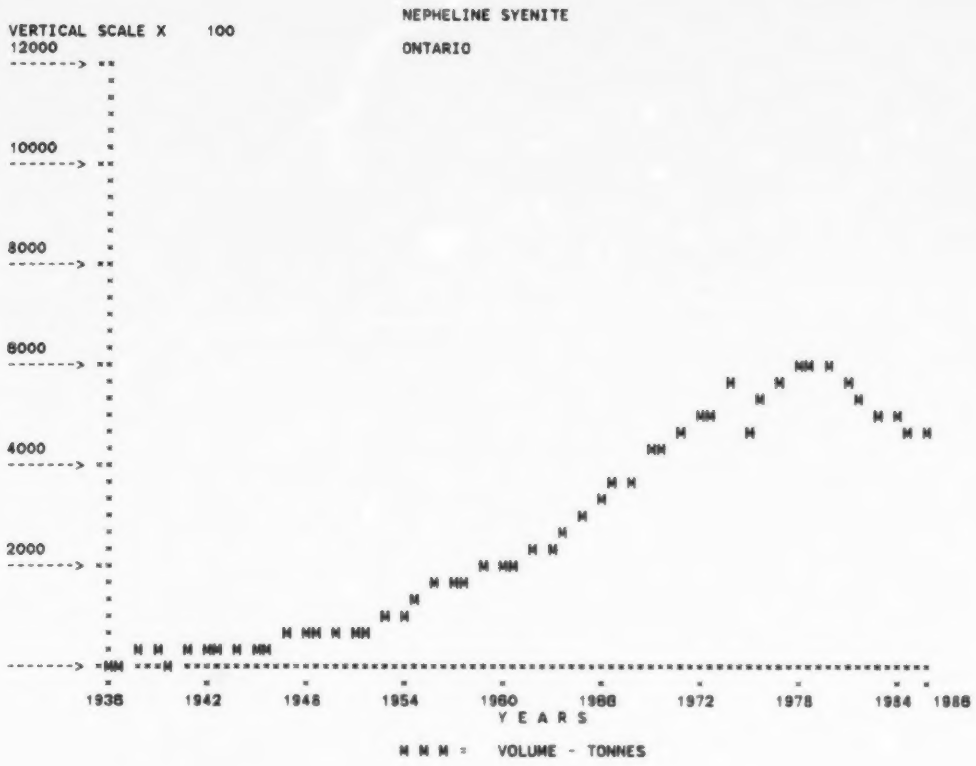
54000
46000
38000
30000
22000
14000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
M M M = VOLUME - K CU METRE

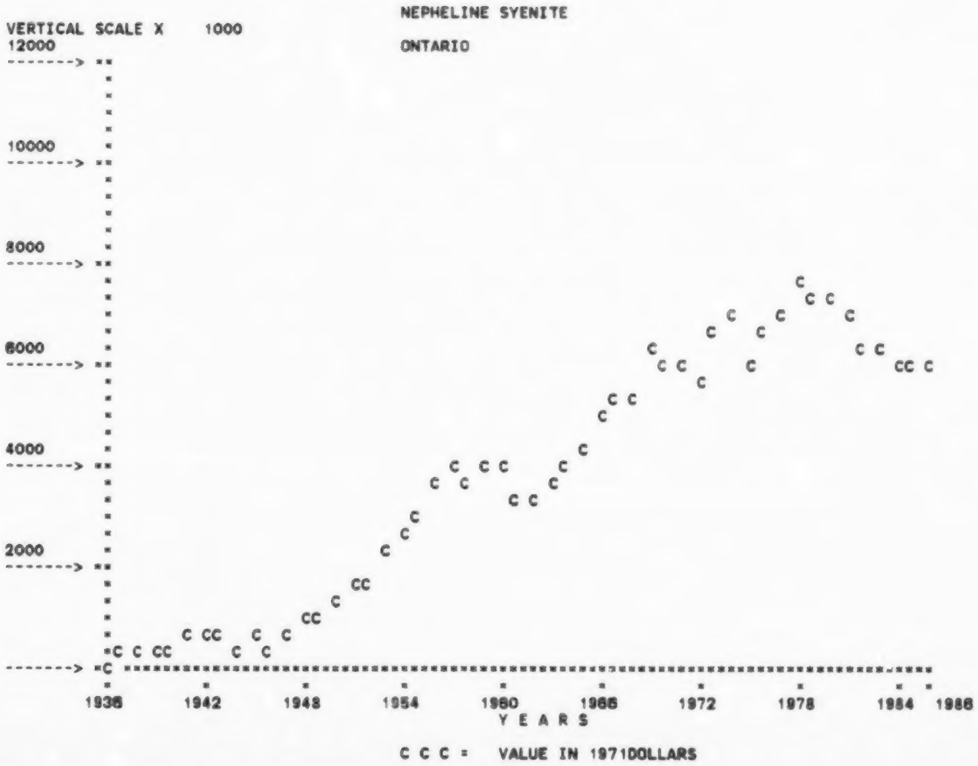

VERTICAL SCALE X 1000
NATURAL GAS
ONTARIO
26000
22000
18000
14000
10000
6000
2000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF NATURAL GAS
IN ONTARIO

YEAR	VOLUME OF PRODUCTION M CU FEET	VOLUME OF PRODUCTION K CU METRE	VALUE OF PRODUCTION DOLLARS	VALUE OF PRODUCTION 1971 DOLLARS	VALUE OF PRODUCTION 1986 DOLLARS	UNIT VALUE 1986 DOLLARS/K CU METRE
1905	0	0	316476	879100	2893997	.00
1906	2534	71760	533446	1481794	4878067	67.98
1907	4155	117681	746499	2073608	6826318	58.01
1908	4483	126944	988616	2746155	9040344	71.22
1909	5388	152571	1188179	3300497	10865236	71.21
1910	7263	205677	1491239	4142330	13636552	66.30
1911	12529	354794	2186762	6074338	19996723	56.36
1912	12414	351525	2268022	6300061	20739801	59.00
1913	12516	354413	2362021	6561169	21599369	60.94
1914	14063	398219	2346687	6518575	21459149	53.89
1915	15211	430742	2622838	7285661	23984396	55.68
1916	17953	508383	2404499	6679163	21987807	43.25
1917	20026	567073	3220123	8944786	29446236	51.93
1918	13075	370263	2498769	6941025	22849854	61.71
1919	11085	313915	2583324	7175900	23623062	75.25
1920	10518	297864	3163500	8787500	28928450	97.12
1921	8532	241605	2975502	8265283	27209312	112.62
1922	8568	242627	4024767	11179908	36804258	151.69
1923	8128	230171	4066244	11295122	37183542	161.55
1924	7370	208721	4076014	11322261	37272883	178.58
1925	7257	205503	4083341	11342614	37339885	181.70
1926	7776	220205	4415918	12098405	39827951	180.87
1927	7311	207030	4331780	11999390	39501994	190.80
1928	7632	216135	4535312	12633181	41588432	192.42
1929	8583	243048	4968137	13648728	44931612	184.87
1930	7943	224932	5061588	14298271	47069908	209.26
1931	7419	210097	4635497	13920411	45825993	218.12
1932	7386	209152	4719297	15678727	51614371	246.78
1933	7166	202937	4523084	15280689	50304029	247.88
1934	7682	217554	4741368	15804560	52028612	239.15
1935	8157	230987	4894353	16260309	53528937	231.74
1936	10006	283359	6054294	19467183	64085967	226.17
1937	10746	304302	6588798	20589993	67782260	222.75
1938	10952	310148	6460764	20253178	66673463	214.97
1939	11966	338855	7261927	22908287	75414082	222.56
1940	13053	369631	7745867	23401411	77037446	208.42
1941	11828	334951	7115473	19931297	65613830	195.89
1942	10476	296669	6669819	17881552	58866070	198.42
1943	7914	224111	6354045	16461256	54190456	241.80
1944	7082	200554	4694097	11764654	38729241	193.11
1945	7199	203880	4837586	11856828	39032679	191.45
1946	7051	199670	4656528	11086971	36498310	182.79
1947	7785	220472	5334991	11673941	38430613	174.31
1948	5334	151070	6958247	13563834	44652142	295.57
1949	8024	227220	8826634	16467600	54211342	238.59
1950	8009	226803	8890532	16223598	53408086	235.48
1951	8442	239074	9962553	16305324	53677127	224.52
1952	8302	235091	9946024	15613852	51400803	218.64
1953	9835	278509	11694595	18387728	60532400	217.34
1954	10015	283616	11758549	18202088	59921274	211.28
1955	10852	307318	12263732	18867280	62111086	202.11
1956	12811	362784	14220898	21099255	69458749	191.46
1957	14400	407788	15985013	23234030	76486428	187.56
1958	16147	457260	17760000	25444126	83762063	183.18
1959	16839	476834	16335742	22943458	75529864	158.40
1960	16987	481019	6573990	9117877	30016054	62.40
1961	14544	411844	5614048	7743514	25491649	61.90
1962	15648	443110	5802387	7894404	25988378	58.65
1963	15920	450805	6049621	8087728	26624802	59.06
1964	13815	391224	5759876	7509616	24721658	63.19
1965	12619	357354	4856125	6139222	20210320	56.56
1966	15537	439970	5940000	7182587	23645078	53.74
1967	14218	402812	5427000	6317811	20798235	51.66
1968	11974	339076	4598927	5184810	17068396	50.34
1969	11237	318221	4275152	4611814	15182093	47.71
1970	17063	483195	6487852	6702326	22064058	45.66
1971	16259	460423	6333160	6333160	20848762	45.28
1972	12375	350424	4767580	4544880	14961747	42.70
1973	9528	269805	3677847	3234693	10648612	39.47
1974	7537	213424	3248000	2510048	8263072	38.72
1975	10935	309645	6508000	4442320	14624120	47.23
1976	4958	140423	4860000	3029925	9974513	71.03
1977	8529	241523	10267000	5979615	19684894	81.50
1978	12574	356074	21376864	11700527	38518136	108.17
1979	10311	292000	21420000	10672645	35134349	120.32
1980	15723	445232	33481424	15034317	49492971	111.16
1981	14806	419271	34556335	14030180	46187355	110.16
1982	15409	436354	41360466	15084050	49656694	113.80
1983	16220	459313	45931250	15811101	52050146	113.32
1984	19358	548169	68466289	22731171	74831017	136.51
1985	20830	589867	73143484	23331255	76806491	130.21
1986	17798	504000	65802000	19988456	65802000	130.56
TOTAL	897903	25426874		969498295	3191588461	

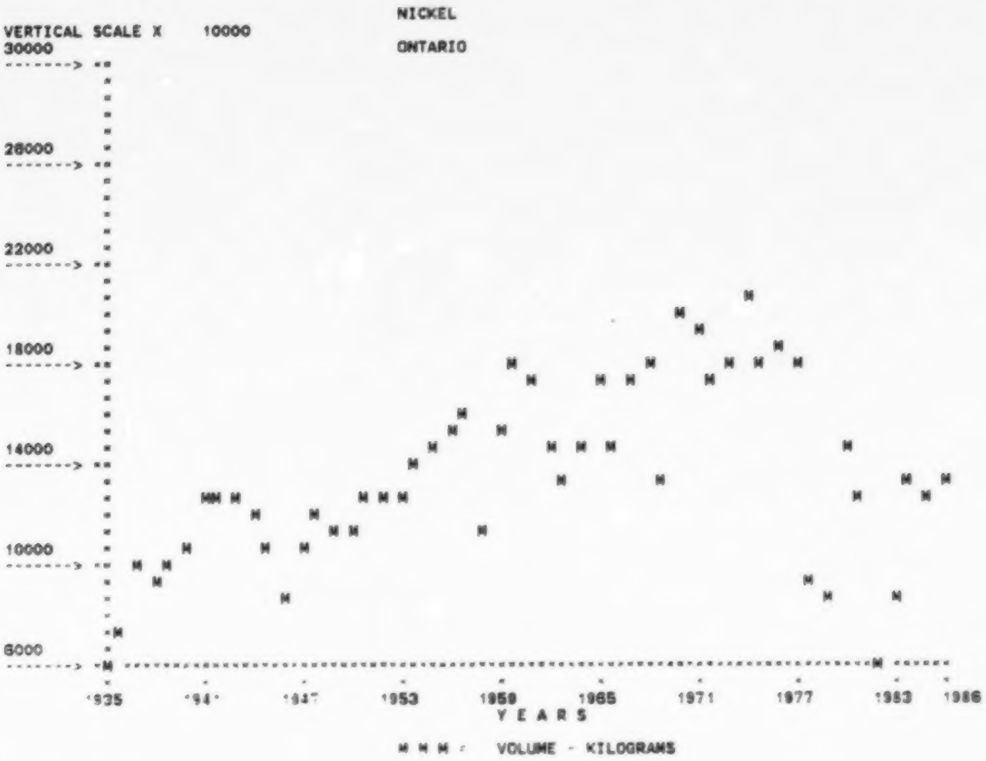
NOTE: A DIFFERENT METHOD OF EVALUATING NATURAL GAS WAS ADOPTED IN 1960.
THE VALUE IS NOW ASSESSED AT THE WELLHEAD INSTEAD OF AT THE RETAIL LEVEL.

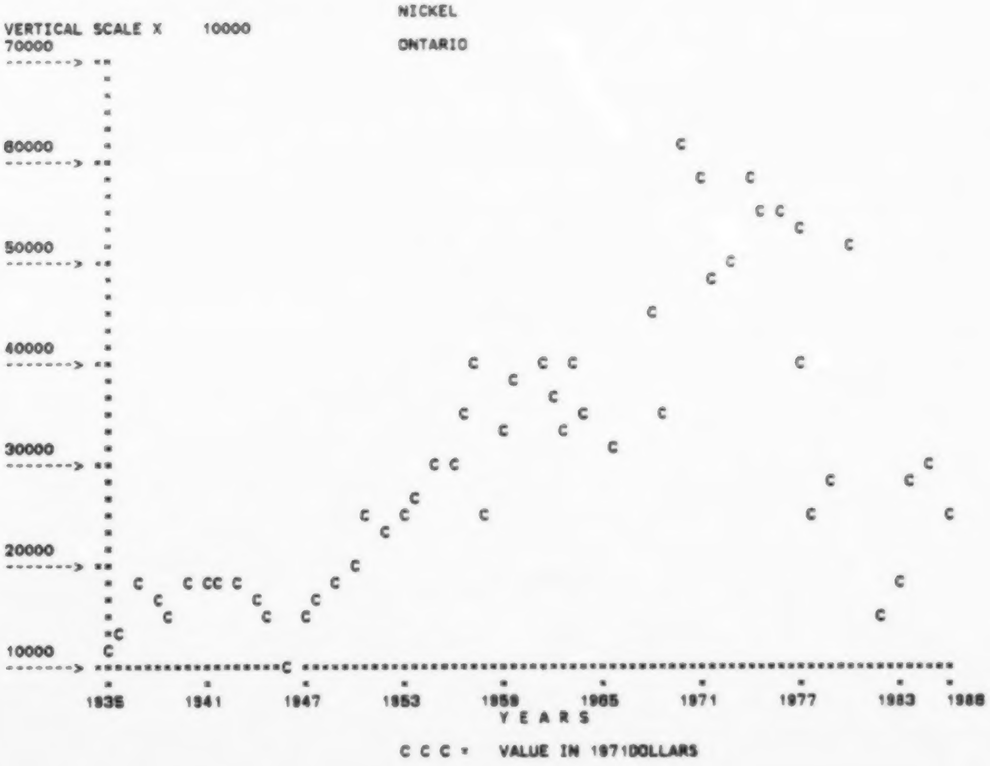

NEPHELINE SYENITE
ONTARIO
VERTICAL SCALE X 100
12000
10000
8000
6000
4000
2000
1936
1942
1948
1954
1960
1966
1972
1978
1984
1986
Y E A R S
M M M = VOLUME - TONNES


NEPHELINE SYENITE
ONTARIO
VERTICAL SCALE X 1000
12000
10000
8000
6000
4000
2000
1936
1942
1948
1954
1960
1966
1972
1978
1984
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF NEPHELINE SYENITE
IN ONTARIO

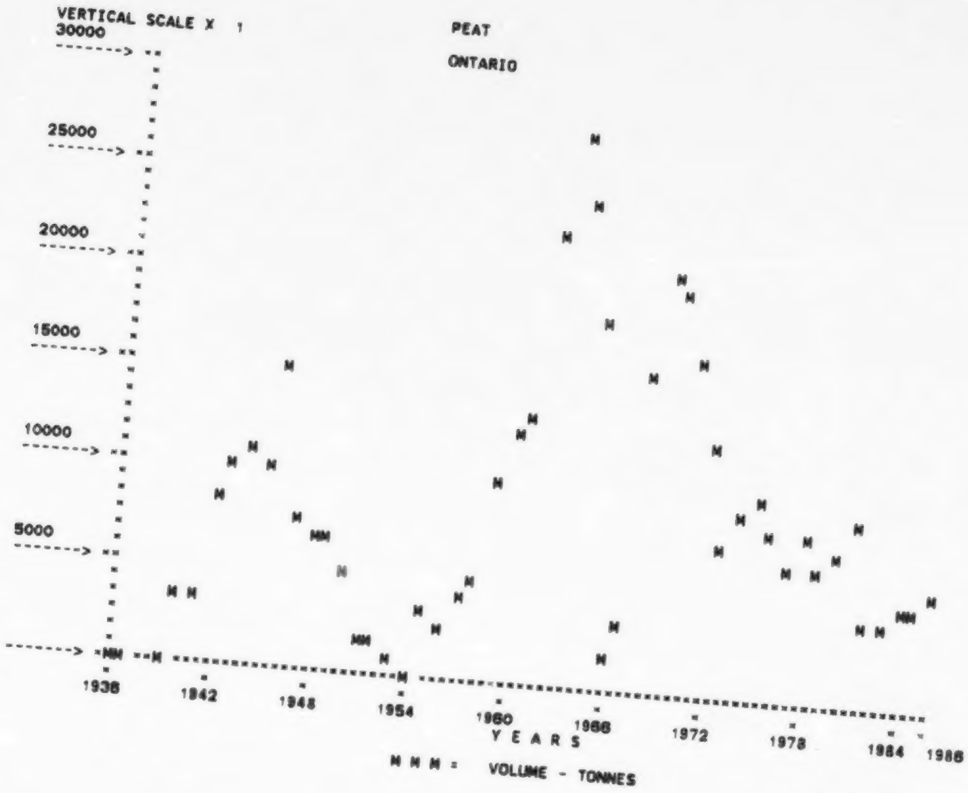
	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/TONNES
1936	3988	3617	37426	120340	396162	109.53
1937	15422	13990	121481	379628	1249735	89.33
1938	31208	28311	142737	447451	1473010	52.03
1939	30766	27910	140148	442107	1455417	52.15
1940	20510	18606	117849	356039	1172081	62.99
1941	39657	35976	227583	637487	2098608	58.33
1942	42206	38288	248893	661911	2179012	56.91
1943	49901	45269	292010	756502	2490406	55.01
1944	47625	43204	217989	546338	1798545	41.63
1945	61345	55651	275766	675897	2225053	39.98
1946	61261	55575	229198	545709	1796475	32.33
1947	66995	60776	341635	747560	2460968	40.49
1948	74388	67481	506482	987255	3250044	48.16
1949	78783	71470	623002	1162317	3826348	53.54
1950	65638	59545	842886	1538113	5063468	85.04
1951	81108	73579	1114943	1824783	6007188	81.64
1952	82681	75006	1111950	1745604	5746529	76.61
1953	113345	102824	1576271	2478413	8158937	79.35
1954	123669	112190	1770528	2740755	9022566	80.42
1955	146068	132510	2099512	3230018	10633220	80.24
1956	180006	163298	2574140	3819198	12572802	76.99
1957	200016	181451	2754060	4002994	13177856	72.62
1958	201306	182621	2613446	3744191	12325880	67.49
1959	228722	207493	2930932	4116477	13551444	65.31
1960	240636	218301	2891095	4009840	13200394	60.47
1961	240320	218014	2572169	3547819	11679421	53.57
1962	254418	230804	2605421	3544790	11669450	50.56
1963	254000	230424	2699202	3608558	11879375	51.55
1964	290300	263355	3097172	4038033	13293207	50.48
1965	339982	308426	3415387	4317809	14214227	46.09
1966	366696	332661	4109744	4969460	16359464	49.18
1967	401601	364326	4752875	5533032	18214743	50.00
1968	426595	387000	4738008	5341609	17584580	45.44
1969	500571	454110	5935239	6402631	21077461	46.41
1970	486667	441496	5801228	5993004	19728969	44.69
1971	517190	469186	6206014	6206014	20430198	43.54
1972	559483	507554	5902063	5626370	18522013	36.49
1973	569403	516553	7860300	6913192	22758230	44.06
1974	617279	559986	9179453	7093858	23352982	41.70
1975	516352	468427	8869497	6054264	19930638	42.55
1976	595381	540121	10566411	6587538	21686175	40.15
1977	633341	574558	11983799	6979498	22976509	39.99
1978	660417	599121	14181840	7762364	25553703	42.65
1979	667668	605699	15180042	7563548	24899201	41.11
1980	661054	599699	16544153	7428896	24455928	40.78
1981	647680	587565	17531692	7118023	23432533	39.88
1982	609399	552838	17882193	6521587	21469066	38.83
1983	576783	523249	18912825	6510438	21432364	40.96
1984	573907	520640	18609289	6178382	20339236	39.07
1985	514984	467186	18603456	5934116	19535112	41.81
1986	534621	485000	20413000	6200789	20413000	42.09
TOTAL	15303340	13882940		195692549	644219933	


NICKEL
ONTARIO
VERTICAL SCALE X 10000
30000
26000
22000
18000
14000
10000
6000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
YEARS
M M M = VOLUME - KILOGRAMS


NICKEL
ONTARIO
VERTICAL SCALE X 10000
70000
60000
50000
40000
30000
20000
10000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
YEARS
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF NICKEL IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/KILOGRAMS
1905	19085885	8657211	3383984	9344344	30761582	3.55
1906	21572000	9784894	3839419	10665052	35109354	3.59
1907	21269557	9647708	2271667	6310186	20773132	2.15
1908	19126000	8675407	1866059	5183497	17064073	1.97
1909	26282118	11921368	2790812	7752255	25520425	2.14
1910	37272000	16906294	4005961	11127669	36632288	2.17
1911	34098000	15466592	3664474	10179094	33509579	2.17
1912	44990151	20407189	4736460	13156833	43312295	2.12
1913	49909503	22638569	5250927	14585908	48016810	2.12
1914	45823752	20785304	5136804	14268900	46973219	2.26
1915	68235225	30950977	17042230	47339528	155841726	5.04
1916	82749154	37534385	20686045	57461236	189162390	5.04
1917	83787286	38005273	21042159	58450442	192418854	5.06
1918	92044542	41750702	27840022	77333395	254581536	6.10
1919	43328798	19653612	11925220	33125611	109049512	5.55
1920	57562614	26109962	15689131	43580919	143468388	5.49
1921	16531424	7498527	4050602	11251672	37040505	4.94
1922	30416345	13796622	7038202	19550561	64360447	4.66
1923	53544580	24287413	9563430	26565083	87452255	3.60
1924	61157090	27740389	11309326	31414794	103417504	3.73
1925	73857114	33501023	15946673	44296314	145823466	4.35
1926	65714294	29807502	14374163	39381268	129643137	4.35
1927	66798717	30299388	15262171	42277482	139177470	4.59
1928	99616979	45185501	22318907	62169657	204662512	4.53
1929	113794179	51616171	27115461	74493024	245231038	4.75
1930	105234598	47733611	24454911	69081669	227416856	4.76
1931	65666320	29785741	15267453	45848206	150932296	5.07
1932	30327968	13756534	7179862	23853362	78525269	5.71
1933	83264658	37768213	20130480	68008379	223883584	5.93
1934	128687340	58371595	32139425	107131417	352676628	6.04
1935	138562940	62851092	35349773	117441107	386616124	6.15
1936	169739297	76992451	43878565	141088634	464463780	6.03
1937	224791404	101963666	59469674	185842732	611794272	6.00
1938	210565569	95510945	53916279	169016548	556402472	5.83
1939	226110293	102561904	50922521	160638868	528823156	5.16
1940	245563497	111385729	59804359	180677822	594791400	5.34
1941	282280122	128040111	68644405	192281248	632989864	4.94
1942	285312432	129415543	70001165	187670682	617811888	4.77
1943	288078241	130670092	71670432	185674696	611241096	4.68
1944	274656574	124582128	69214036	173468762	571059168	4.58
1945	245146145	111196422	61982659	151918282	500114984	4.50
1946	192132195	87149698	45386533	108063174	355743968	4.08
1947	237256892	107617916	70780556	154880868	509867812	4.74
1948	263257078	119411402	87409043	170387996	560917288	4.70
1949	257379216	116745249	99351785	185357808	610197912	5.23
1950	247317867	112181498	112292202	204912776	674572864	6.01
1951	275806272	125103621	151217865	247492416	814745032	6.51
1952	281117072	127512559	151666687	238095272	783809648	6.15
1953	287385777	130355996	160491126	252344538	830718216	6.37
1954	316019050	143343832	176556296	273306960	899726512	6.28
1955	322322355	146202962	198483258	305368088	1005271760	6.88
1956	335152371	152022560	208099454	308752900	1016414552	6.69
1957	354792843	160931328	243518138	353950780	1165205968	7.24
1958	254286784	115342545	177168918	253823664	835587504	7.24
1959	347929183	157818024	240053265	337153464	1109909216	7.03
1960	403300283	182933932	277924234	385470508	1268968912	6.94
1961	392435773	178005872	295423149	407480204	1341424832	7.54
1962	333163344	151120352	274219955	373088376	1228206944	8.13
1963	298178570	135251526	246252488	329214552	1083774304	8.01
1964	324187190	147048838	267764039	349105660	1149255840	7.82
1965	382568712	173529342	316332366	399914496	1316518528	7.59
1966	320428750	145344038	269461584	325830212	1072633056	7.38
1967	380117521	172418408	352238885	410056908	1349907344	7.83
1968	407493447	184835920	405168184	456784876	1503735808	8.14
1969	293561275	133157155	329076314	354990636	1168629168	8.78
1970	448509011	203440266	608428298	628541632	2069159040	10.17
1971	431506689	195728142	583946348	583946352	1922351392	9.82
1972	378855007	171845742	519935356	495648580	1631675136	9.49
1973	393293296	178394840	574786081	505528652	1664200336	9.33
1974	460879205	209051280	749782101	579429780	1907482784	9.12
1975	394836613	179094876	811328713	553808000	1823135952	10.18
1976	413225389	187435884	882305042	550065488	1810815584	9.66
1977	396820713	179994848	927518355	540197056	1778328704	9.88
1978	206082361	93477387	473685130	259269364	853514744	9.13
1979	194987370	88444784	566279306	282152124	928844784	10.50
1980	321009504	145607461	1154868925	518576080	1707152448	11.72
1981	287192903	130268510	1001217989	406503448	1338209360	10.27
1982	140997918	63955560	440631297	160697044	529014672	8.27
1983	194649570	88291560	550124912	189371742	623411776	7.06
1984	291985172	132442247	886903006	294456508	969350832	7.32
1985	288882428	131034865	930760468	296893292	977372720	7.46
1986	302042116	137004000	815858000	247830496	815858000	5.96
TOTAL	17385897812	7886110615		17209649890	56654167588	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PEAT
ONTARIO
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25000
20000
15000
10000
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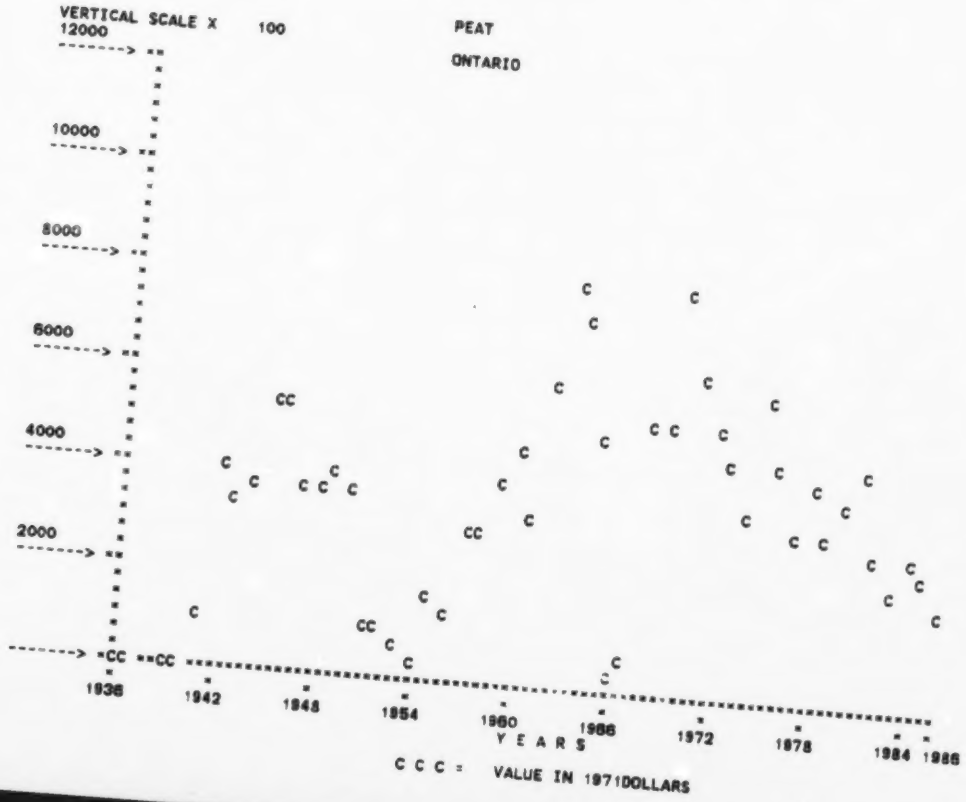
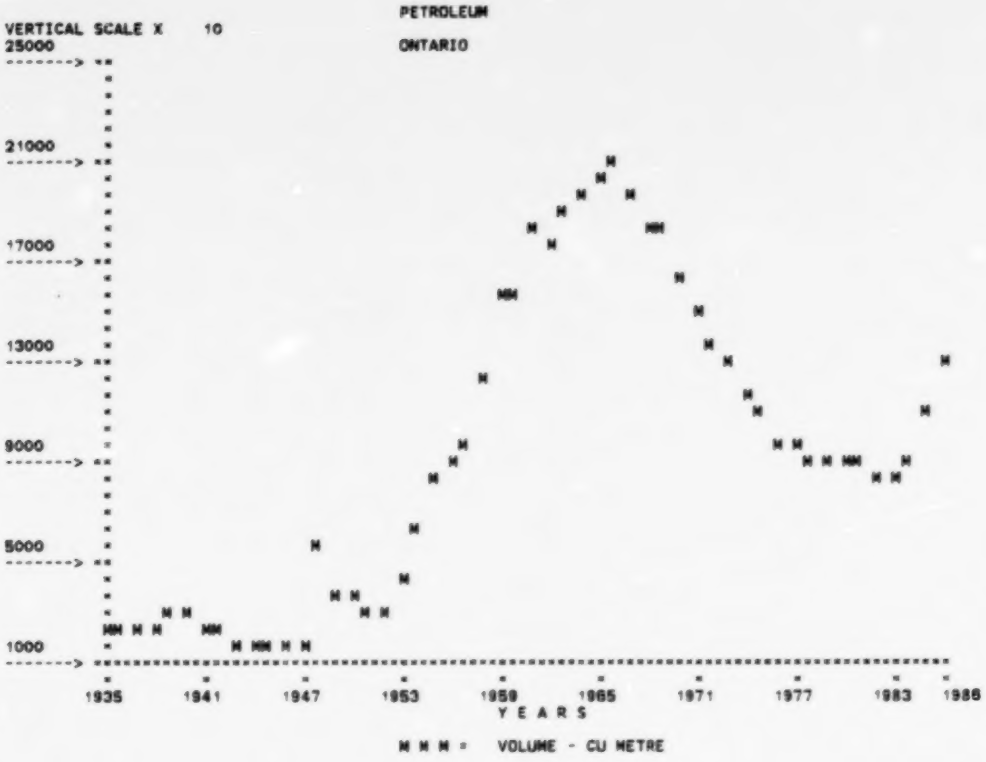
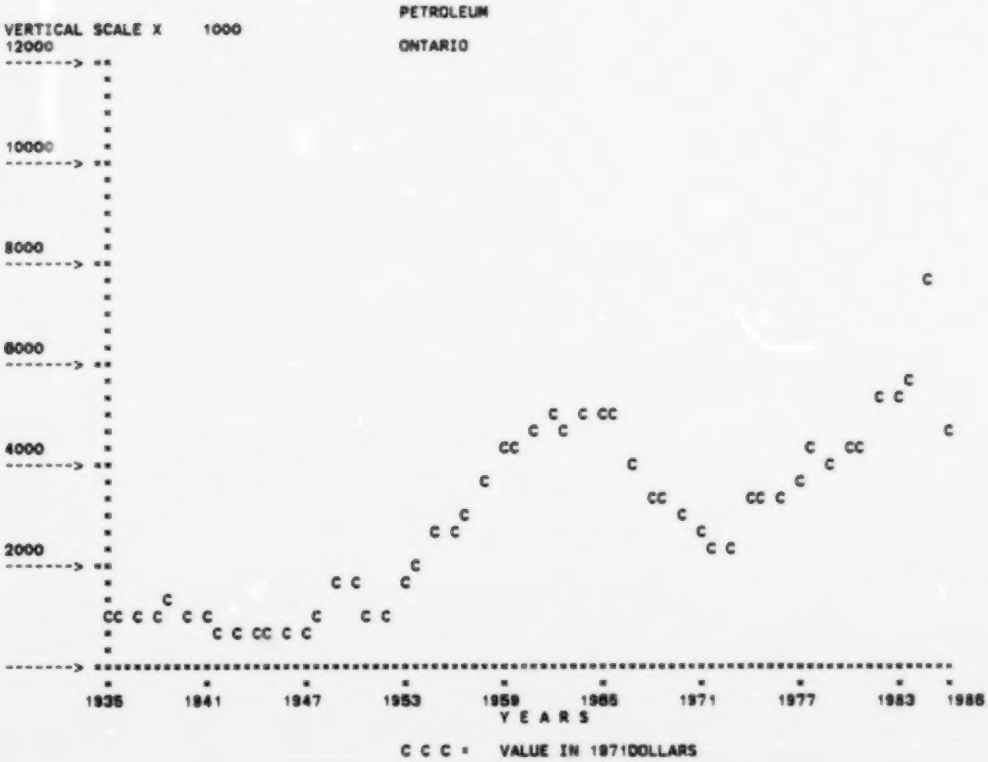
1936
1942
1948
1954
1960
1966
1972
1978
1984
1986
Y E A R S
M M M = VOLUME - TONNES


VERTICAL SCALE X 100
PEAT
ONTARIO
12000
10000
8000
6000
4000
2000
1936
1942
1948
1954
1960
1966
1972
1978
1984
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF PEAT IN ONTARIO

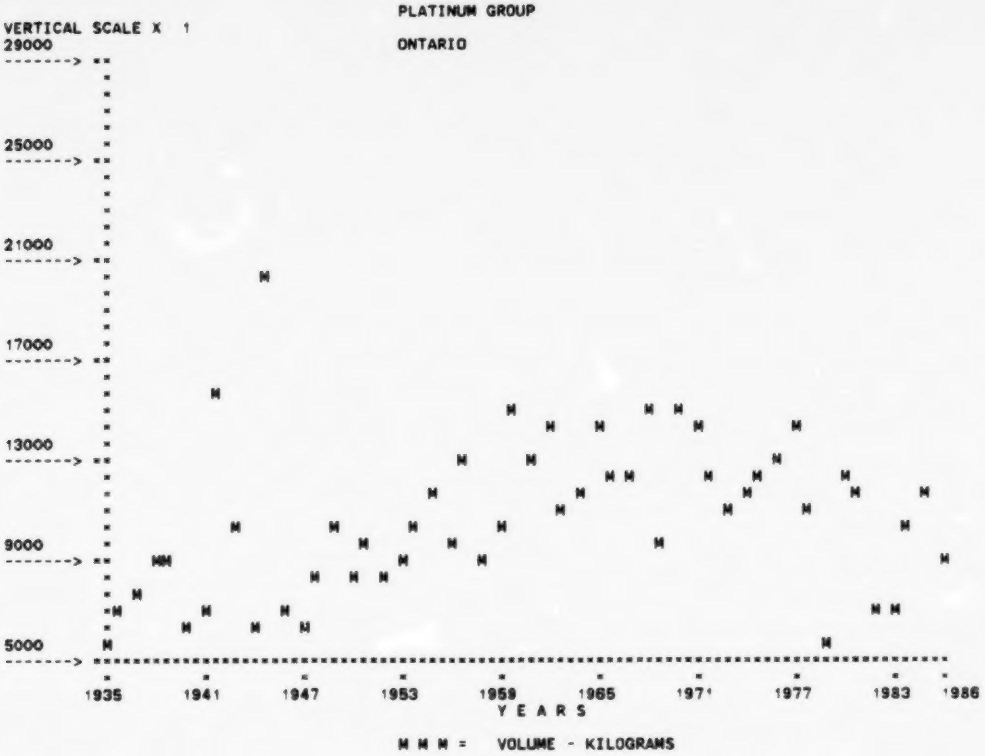
YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/TONNES
1928	297	269	445	1239	4080	15.17
1931	176	159	439	1318	4339	27.29
1934	224	203	224	746	2458	12.11
1936	8	7	50	160	529	75.57
1937	500	453	2500	7812	25718	56.77
1939	50	45	250	788	2596	57.69
1940	4111	3729	3395	10256	33765	9.05
1941	4315	3914	42708	119630	393822	100.62
1942	9599	8708	147729	396056	1303817	149.73
1943	11120	10087	138595	353873	1164950	115.49
1944	12491	11331	144820	362957	1194855	105.45
1945	11667	10584	224100	549264	1808179	170.84
1946	17175	15580	228496	544038	1790973	114.95
1947	8250	7484	170442	372958	1227779	164.05
1948	7261	6587	189447	369292	1215710	184.56
1949	7381	6695	210008	391805	1289825	192.65
1950	5613	5092	206625	377052	1241258	243.77
1951	1804	1636	72557	118751	390929	238.95
1952	1939	1759	69013	108340	356657	202.76
1953	1314	1192	52535	82802	271926	228.13
1954	640	580	19809	30664	100946	174.04
1955	4284	3886	123882	190556	627313	161.43
1956	3267	2963	97091	144051	474218	160.05
1957	4720	4281	220232	320104	1053784	246.15
1958	6123	5554	216055	309534	1018987	183.47
1959	10925	9910	295390	414873	1365763	137.82
1960	13566	12306	338814	469644	1546071	125.64
1961	15113	13710	251352	346692	1141311	83.25
1962	24801	22499	455826	620171	2041604	90.74
1963	30659	27813	610784	816556	2688102	96.65
1964	27065	24552	573538	747767	2461652	100.26
1965	20115	18248	389615	492560	1621507	88.86
1966	1700	1542	30000	36275	119419	77.44
1967	3746	3398	55160	64214	211393	62.21
1968	17881	16221	483826	545237	1794923	110.65
1969	22788	20671	487087	525444	1729763	83.68
1970	22229	20165	773570	799142	2630777	130.46
1971	18990	17227	652547	652547	2148184	124.70
1972	13560	12301	570713	544054	1791026	145.60
1973	8894	8068	547814	481806	1588107	196.59
1974	9939	9018	481883	372397	1225934	135.97
1975	11423	10363	874611	597004	1965337	189.65
1976	9611	8719	785183	489515	1611485	184.82
1977	7385	6700	607736	353952	1165210	173.91
1978	9172	8321	781592	427800	1408320	169.25
1979	7754	7035	675547	336595	1108072	157.51
1980	8510	7721	938881	421590	1387874	179.75
1981	10147	9205	1201993	488019	1606561	174.53
1982	5152	4674	886066	323145	1063796	227.80
1983	5102	4629	711443	244902	806220	174.17
1984	5740	5208	904485	300293	988567	189.82
1985	6146	5576	908115	289689	953593	171.02
1986	6613	6000	683000	207472	683000	113.83
TOTAL	479053	434578		17573181	57850984	

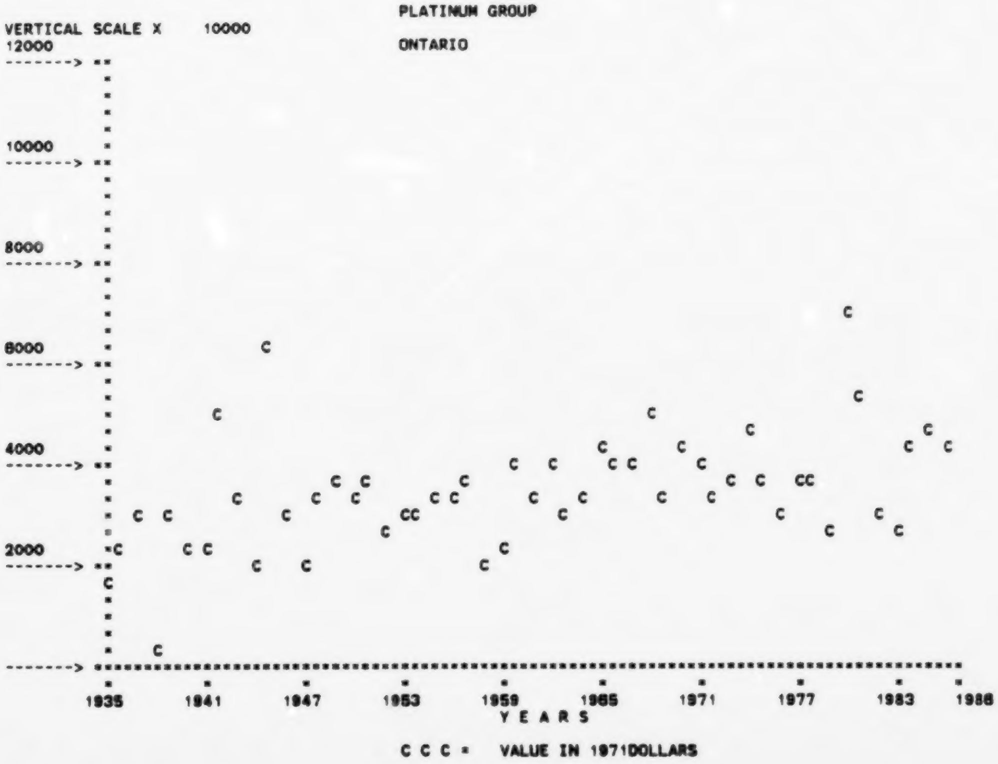

PETROLEUM
ONTARIO
VERTICAL SCALE X 10
25000
21000
17000
13000
9000
5000
1000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
M M M = VOLUME - CU METRE


PETROLEUM
ONTARIO
VERTICAL SCALE X 1000
12000
10000
8000
6000
4000
2000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF PETROLEUM IN ONTARIO

YEAR	VOLUME OF PRODUCTION: BARRELS	VOLUME OF PRODUCTION: CU METRE	VALUE OF PRODUCTION: DOLLARS	VALUE OF PRODUCTION: 1971 DOLLARS	VALUE OF PRODUCTION: 1986 DOLLARS	UNIT VALUE: 1986 DOLLARS/CU METRE
1905	632333	100532	898545	2495958	8216694	81.73
1906	563666	89615	761546	2115405	6963915	77.71
1907	789196	125472	1049631	2915641	9598292	76.50
1908	527987	83943	703773	1954925	6435613	76.67
1909	420660	66879	559478	1554105	5116115	76.50
1910	314410	49987	368153	1022647	3366554	67.35
1911	288631	45888	353573	982147	3233228	70.46
1912	240935	38305	344537	957047	3150599	82.25
1913	226165	35957	398051	1105697	3639955	101.23
1914	212496	33784	337867	938519	3089608	91.45
1915	214442	34093	300219	833941	2745335	80.52
1916	196877	31300	387846	1077350	3546636	113.31
1917	202991	32272	475000	1319444	4343611	134.59
1918	316176	50267	781097	2169713	7142698	142.10
1919	220100	34993	632789	1757747	5786503	165.36
1920	181750	28895	724145	2011513	6621903	229.17
1921	172859	27482	559198	1553327	5113555	186.07
1922	164732	26190	466587	1296075	4266678	162.91
1923	159400	25342	478149	1328191	4372407	172.54
1924	154317	24534	390424	1084511	3570210	145.52
1925	144250	22933	396154	1100427	3622608	157.96
1926	136971	21776	376822	1032389	3398524	156.07
1927	139606	22195	289391	801637	2638989	118.90
1928	134164	21330	249981	696325	2292304	107.47
1929	121125	19257	253678	696917	2294252	119.14
1930	117302	18649	235746	665949	2192304	117.56
1931	122364	19454	219993	660639	2174825	111.79
1932	130343	20722	247468	822152	2706527	130.61
1933	136058	21631	253486	856371	2819175	130.33
1934	141385	22478	299874	999580	3290617	146.39
1935	165040	26239	348156	1150019	3785865	144.28
1936	165494	26311	348767	1121437	3691771	140.31
1937	165205	26265	356358	1113618	3666032	139.58
1938	172642	27447	359268	1126231	3707555	135.08
1939	206379	32811	401429	1266337	4168783	127.05
1940	187644	29833	397078	1199631	3949186	132.38
1941	159438	25348	337760	946106	3114582	122.87
1942	143845	22869	306242	821024	2702811	118.19
1943	132492	21064	311356	806621	2655398	126.06
1944	125067	19884	296420	742907	2445650	123.00
1945	113325	18017	268478	658034	2166248	120.23
1946	123082	19568	291719	694569	2286521	116.85
1947	131295	20874	349895	765634	2520469	120.75
1948	349895	55628	608109	1185397	3902329	70.15
1949	260670	41443	901143	1681236	5534632	133.55
1950	250656	39851	892335	1628348	5360523	134.51
1951	197171	31347	677905	1109500	3652476	116.52
1952	191814	30495	641400	1006907	3314739	108.70
1953	299685	47646	1005535	1581029	5204750	109.24
1954	412474	65578	1390000	2151702	7083405	108.01
1955	525509	83549	1715630	2639430	8689006	104.00
1956	593370	94338	1958121	2905224	9563997	101.38
1957	623666	99154	2160000	3139534	10335348	104.24
1958	778341	123746	2623000	3757879	12370939	99.97
1959	1001580	159238	3194000	4485955	14767764	92.74
1960	1005030	159787	3150065	4369022	14382821	90.01
1961	1149087	182690	3546740	4892055	16104645	88.15
1962	1134534	180376	3661174	4981189	16398074	90.91
1963	1205376	191639	3459429	4624905	15225187	79.45
1964	1246682	198206	4014316	5233788	17229632	86.93
1965	1279321	203395	4093318	5174864	17035654	83.76
1966	1323781	210464	4236099	5122247	16862440	80.12
1967	1240298	197191	3524123	4102587	13505719	68.49
1968	1150779	182959	3166826	3570266	11753315	64.24
1969	1161889	184725	3117031	3362493	11069326	59.92
1970	1048168	166645	2839904	2933785	9658020	57.96
1971	958104	152326	2726771	2726771	8976530	58.93
1972	877965	139585	2498688	2381971	7841449	56.18
1973	808649	128564	2865853	2520539	8297614	64.54
1974	734000	116696	4342000	3355486	11046262	94.66
1975	703999	111927	5046000	3444368	11338861	101.31
1976	620999	98731	5216000	3251870	10705157	108.43
1977	616697	98047	6627000	3859638	12705931	129.59
1978	593865	94417	8165685	4469449	14713429	155.83
1979	578662	92000	8259000	4115097	13546899	147.25
1980	590500	93882	9787181	4394782	14467624	154.10
1981	565976	89983	11111980	4511563	14852065	165.05
1982	538640	85637	14761230	5383380	17722089	206.94
1983	533300	84788	16109720	5545514	18255834	215.31
1984	568441	90375	17276060	5735743	18882068	208.93
1985	710459	112954	24736926	7890566	25975745	229.97
1986	842834	134000	15410000	4681044	15410000	115.00
TOTAL	38787505	6166687		195125580	642353501	


PLATINUM GROUP
ONTARIO
VERTICAL SCALE X 1
29000
25000
21000
17000
13000
9000
5000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
M M M = VOLUME - KILOGRAMS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VERTICAL SCALE X 10000
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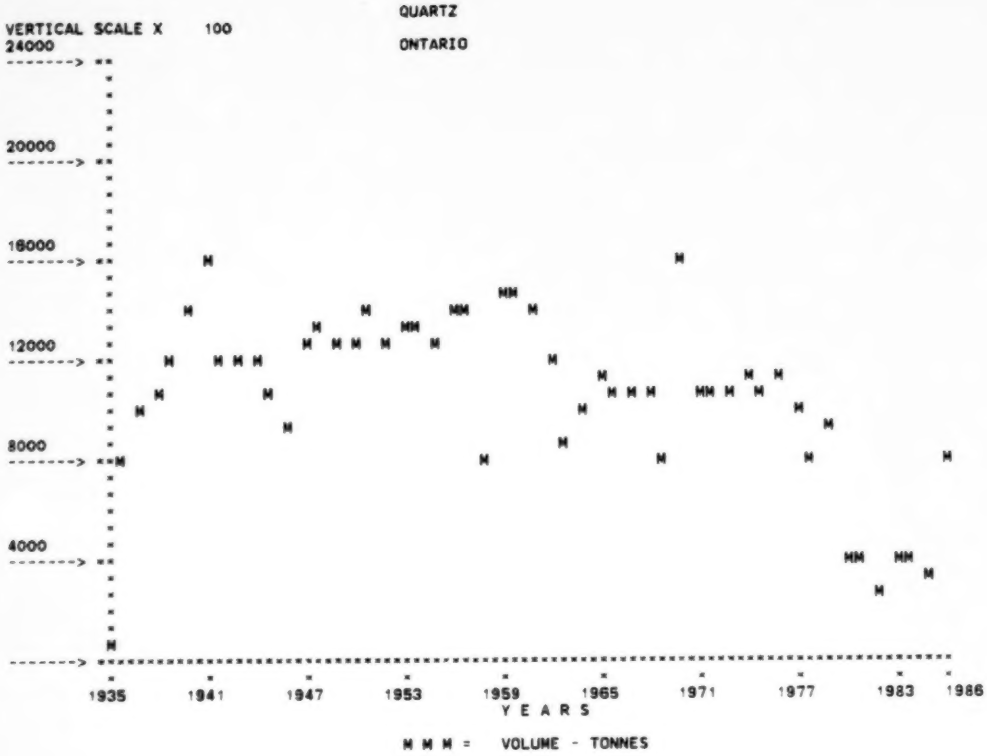
6000
4000
2000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1988
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF PLATINUM GROUP IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	TROY OUNCES	KILOGRAMS	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/KILOGRAMS
1905	1562	48	28116	78100	257105	5358.35
1906	314	9	5652	15700	51684	5742.67
1907	0	0	0	0	0	.00
1908	0	0	0	0	0	.00
1909	0	0	0	0	0	.00
1910	0	0	0	0	0	.00
1911	0	0	0	0	0	.00
1912	6582	204	227971	633252	2084668	10218.96
1913	0	0	0	0	0	.00
1914	0	0	0	0	0	.00
1915	0	0	0	0	0	.00
1916	0	0	0	0	0	.00
1917	0	0	0	0	0	.00
1918	0	0	0	0	0	.00
1919	1770	55	200000	555555	1828888	33252.51
1920	19066	593	1996535	5545930	18257203	30787.88
1921	13418	417	862034	2394538	7882822	18903.65
1922	11788	366	924712	2568644	8455977	23103.76
1923	15625	485	1418633	3940647	12972810	26747.65
1924	18697	581	1891497	5254158	17296689	29770.55
1925	16980	528	1676448	4656794	15330167	29034.41
1926	19495	606	1559527	4272676	14065651	23210.65
1927	22762	707	1270843	3520340	11588961	16391.74
1928	23539	732	1309923	3648810	12011884	16409.68
1929	29615	921	1646381	4523024	14889797	16166.99
1930	68022	2115	2436683	6883285	22659775	10713.84
1931	91643	2850	2812834	8446948	27807355	9756.97
1932	64897	2018	1998911	6640900	21861844	10833.42
1933	55715	1732	1501233	5071733	16696145	9639.81
1934	200110	6224	6187992	20626640	67902900	10909.85
1935	190107	5912	5407392	17964757	59139982	10003.38
1936	235222	7316	7802997	25090022	82596354	11289.82
1937	259184	8061	9931556	31036112	102170883	12674.72
1938	292203	9088	887362	2781699	9157353	1007.63
1939	284279	8842	9421334	29720296	97839217	11065.28
1940	199985	6220	7760157	23444583	77179569	12408.29
1941	221689	6895	8144164	22812784	75099686	10891.91
1942	507761	15793	19176254	51410868	169244580	10716.43
1943	345710	10752	13691748	35470850	116770038	10860.31
1944	200452	6234	8024719	20112077	66208960	10620.62
1945	666908	20743	26688646	65413348	215340742	10381.37
1946	239337	7444	12838214	30567176	100627144	13517.89
1947	204902	6373	9970087	21816383	71819533	11269.34
1948	269505	8382	16896808	32937247	108429419	12935.98
1949	335916	10448	19885049	37098972	122129817	11689.30
1950	273183	8496	17822766	32523295	107066689	12602.01
1951	318366	9902	22490536	36809388	121176505	12237.58
1952	279722	8700	18475723	29004274	95482074	10974.95
1953	303563	9441	20046390	31519481	103762132	10990.59
1954	343706	10690	20906556	32363089	106539291	9966.26
1955	384746	11968	23069365	35491330	116837462	9764.12
1956	314818	9791	22407090	33244940	109442346	11177.85
1957	416147	12943	25731333	37400193	123121435	9512.59
1958	300458	9345	14321443	20517826	67544685	7227.90
1959	328091	10204	16932178	23781149	78287543	7672.24
1960	483585	15041	28871955	40044320	131825903	8764.44
1961	418278	13009	24534349	33840481	111402865	8563.52
1962	470782	14642	28848262	39249336	129208815	8824.53
1963	357649	11124	22585055	30193923	99398396	8935.49
1964	376238	11702	25404117	33121404	109035663	9317.69
1965	463127	14404	36109799	45650820	150282500	10433.39
1966	395952	12315	32363556	39133683	128828086	10461.07
1967	399898	12438	34580361	40256532	132524504	10654.81
1968	484849	15080	46124003	52000003	171184012	11351.72
1969	308465	9594	30729815	33149746	109128966	11374.71
1970	482428	15005	43556597	44996484	148128428	9871.94
1971	475169	14779	39821616	39821616	131092760	8870.21
1972	402423	12516	34330972	32727333	107738381	8608.05
1973	352909	10976	41844285	36802361	121153375	11038.03
1974	384618	11962	60794030	46981476	154663022	12929.53
1975	399219	12417	56493077	38561827	126945538	10223.53
1976	416821	12964	50143112	31261291	102912173	7938.30
1977	465372	14474	61988406	36102740	118850221	8211.29
1978	350052	10887	65761434	35994216	118492960	10883.89
1979	197943	6156	56333561	28068540	92401635	15010.01
1980	410757	12776	158923378	71362092	234924004	18387.92
1981	382754	11905	136239362	55314398	182094998	15295.67
1982	228431	7105	82253570	29997655	98752280	13898.98
1983	223897	6964	79155805	27248125	89700829	12880.65
1984	329384	10245	131415965	43630798	143632588	14019.77
1985	372755	11594	153626084	49003535	161319640	13914.06
1986	289356	9000	147784000	44891858	147784000	16420.44
TOTAL	18720671	582246		1929016406	6350322106	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16000
12000
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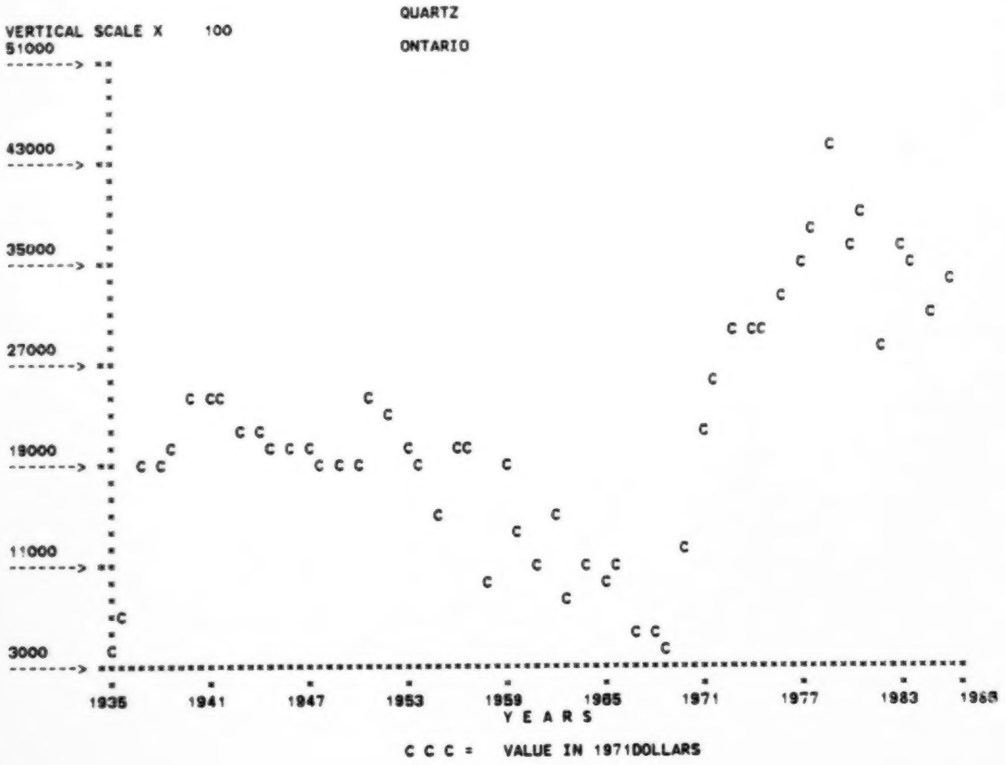
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
M M M = VOLUME - TONNES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ONTARIO
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43000
35000
27000
19000
11000
3000
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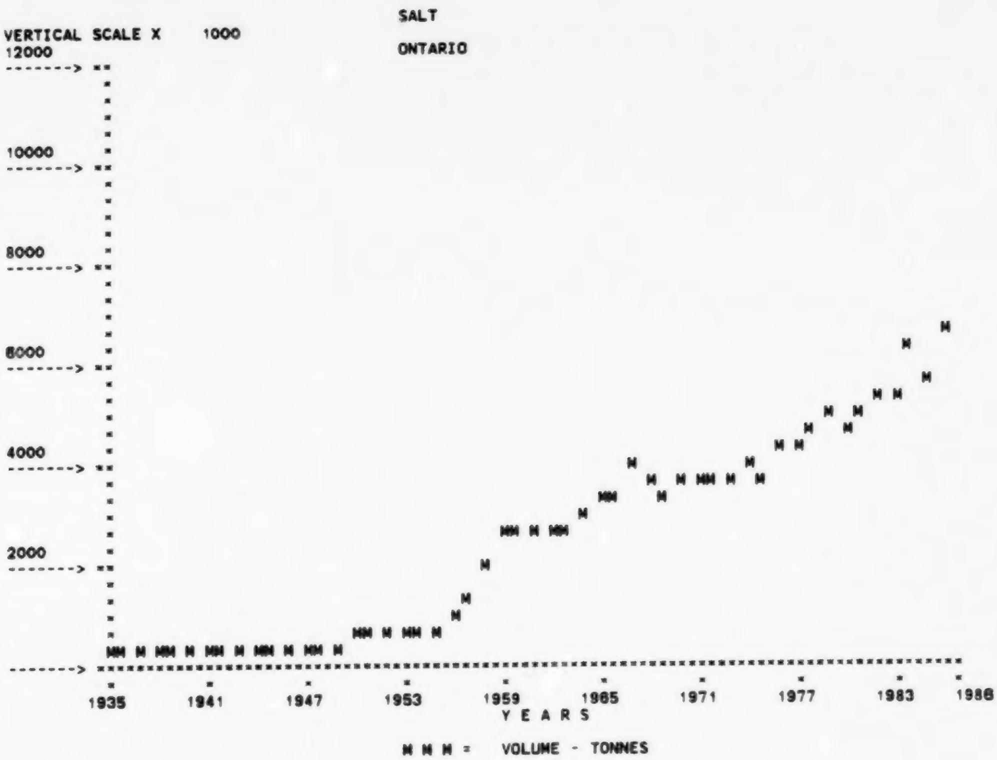
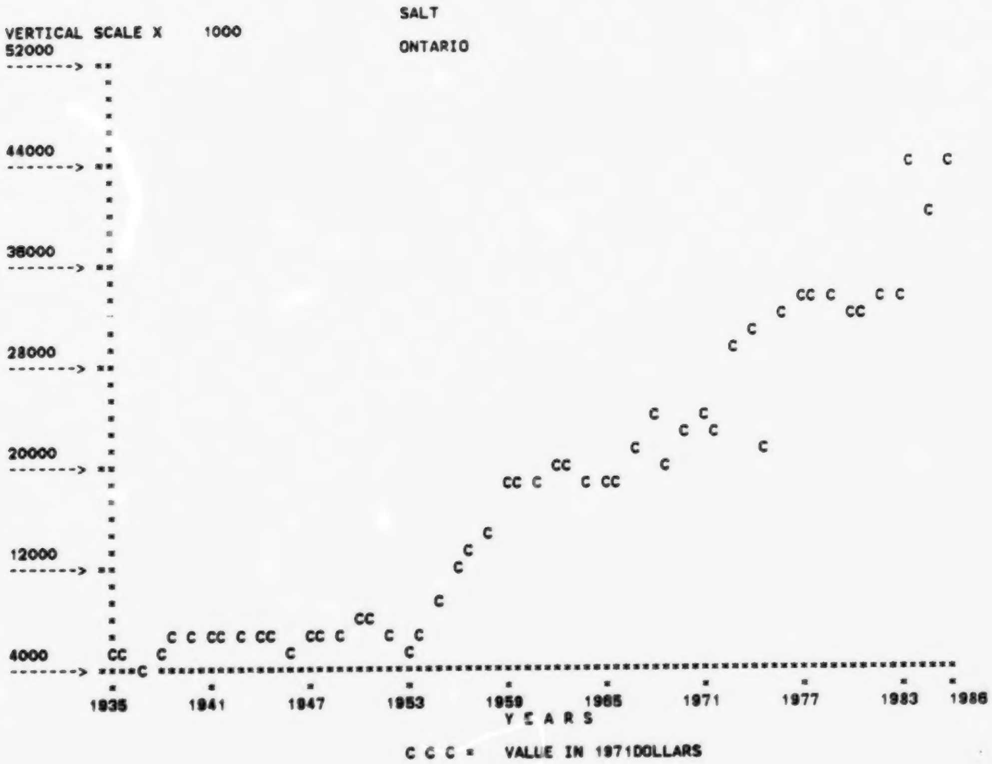
1941
1947
1953
1959
1965
1971
1977
1983
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF QUARTZ IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/TONNES
1905	3357	3045	3357	9325	30697	10.08
1906	48376	43885	56765	157680	519084	11.83
1907	56585	51333	124148	344855	1135264	22.12
1908	44741	40588	52830	146750	483101	11.90
1909	63172	57308	75329	209247	688841	12.02
1910	89635	81315	92672	257422	847433	10.42
1911	56723	51458	64405	178902	588947	11.45
1912	94758	85963	179576	498822	1642122	19.10
1913	54320	49278	130860	363500	1196642	24.28
1914	52947	48032	82554	229316	754910	15.72
1915	95460	86599	142354	395427	1301748	15.03
1916	142634	129395	214094	594705	1957770	15.13
1917	176993	160565	358674	996316	3279874	20.43
1918	215930	195838	472356	1312100	4319433	22.05
1919	59658	54120	179070	497416	1637495	30.26
1920	90555	82150	295161	819891	2699083	32.86
1921	69087	62674	157914	438650	1444035	23.04
1922	79560	72175	113625	315625	1039037	14.40
1923	223064	202360	480463	1334619	4393567	21.71
1924	111400	101060	182943	508175	1672912	16.55
1925	184856	167698	313232	870088	2864332	17.08
1926	192733	174844	339304	929600	3060243	17.50
1927	159150	144378	226204	626603	2062779	14.29
1928	194503	176450	308608	859632	2829909	16.04
1929	187973	170526	316050	868269	2858342	16.76
1930	167487	151941	274672	775909	2554294	16.81
1931	97888	88802	148642	446372	1469457	16.55
1932	66135	59996	93574	310877	1023407	17.08
1933	51601	46811	84564	285689	940488	20.09
1934	89838	81499	134572	448573	1476703	18.12
1935	83034	75327	120005	398687	1312479	17.42
1936	884585	802482	216037	694652	2286796	2.85
1937	1142372	1036342	633073	1978353	6512738	6.28
1938	1173259	1064362	597037	1871589	6161272	5.79
1939	1333342	1209587	665148	2098258	6907467	5.71
1940	1581367	1434592	810285	2447990	8058786	5.62
1941	1745244	1583258	899687	2520131	8296273	5.24
1942	1367733	1240786	914256	2451088	8068983	6.50
1943	1350640	1225280	852196	2207761	7267951	5.93
1944	1326288	1203188	868389	2176413	7164753	5.95
1945	1165238	1057086	820664	2011431	6621632	6.28
1946	1052689	954983	852729	2030307	6683771	7.00
1947	1442341	1308469	949210	2077045	6837635	5.23
1948	1496652	1357739	1019997	1988298	6545477	4.82
1949	1404140	1273814	1020411	1903751	6267151	4.92
1950	1386833	1258113	1027791	1875531	6174248	4.91
1951	1545137	1401724	1497811	2451409	8070039	5.76
1952	1429806	1297098	1506532	2365042	7785719	6.00
1953	1450770	1316116	1301048	2045672	6734355	5.12
1954	1476745	1339680	1270731	1967075	6475613	4.83
1955	1421302	1289383	1032938	1589135	5231433	4.06
1956	1571819	1425930	1413191	2096722	6902410	4.84
1957	1591091	1443413	1428400	2076162	6834727	4.74
1958	922599	836967	666275	954548	3142374	3.75
1959	1600352	1451814	1363541	1915085	6304462	4.34
1960	1659410	1505391	998281	1384578	4558031	3.03
1961	1540016	1397079	827061	1140773	3755427	2.69
1962	1352613	1227069	1077784	1466372	4827299	3.93
1963	952166	863790	644287	861346	2835551	3.28
1964	1127425	1022782	836939	1091185	3592181	3.51
1965	1301583	1180776	790245	999045	3288857	2.79
1966	1161057	1053293	902089	1090796	3590903	3.41
1967	1193124	1082383	467050	543713	1789905	1.65
1968	1205799	1093882	573430	646482	2128220	1.95
1969	865385	785064	429163	462959	1524061	1.94
1970	1748092	1585842	1211700	125[illegible]	4120781	2.60
1971	1228455	1114435	2141272	2141272	7049067	6.33
1972	1177753	1068439	2750258	2621790	8630933	8.08
1973	1181348	1071700	3360622	2955692	9730138	9.08
1974	1236780	1121987	3849875	2975173	9794272	8.73
1975	1208394	1096237	4358086	2974802	9793050	8.93
1976	1242204	1126909	5203268	3243932	10679026	9.48
1977	1149783	1043066	6128927	3569555	11750977	11.27
1978	933106	846500	6978328	3819555	12573976	14.85
1979	1080572	980279	8965420	4467075	14705611	15.00
1980	439556	398759	8234895	3697752	12173001	30.53
1981	470895	427189	9787492	3973809	13081779	30.62
1982	292009	264907	7758937	2829663	9315251	35.16
1983	426270	386706	10559822	3635050	11966586	30.94
1984	433799	393536	10630992	3529545	11619264	29.53
1985	398852	361833	9903922	3159145	10399907	28.74
1986	917123	832000	11167000	3392162	11167000	13.42
TOTAL	64090066	58141502		128147467	421861547	


SALT
ONTARIO
VERTICAL SCALE X 1000
12000
10000
8000
6000
4000
2000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
M M M = VOLUME - TONNES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VERTICAL SCALE X 1000
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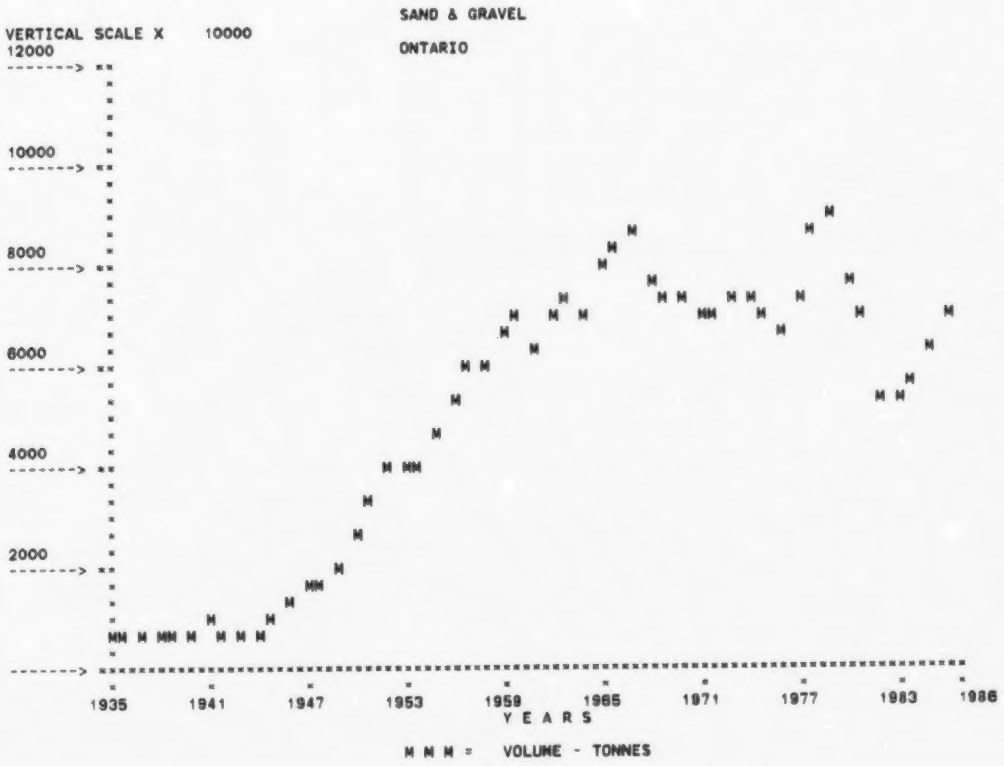
44000
36000
28000
20000
12000
4000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF SALT IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/TONNES
1905	49605	45000	367593	1021091	3361433	74.70
1906	50514	45825	367738	1021494	3362759	73.38
1907	56638	51381	409941	1138725	3748682	72.96
1908	79912	72494	498730	1385361	4560608	62.91
1909	79587	72200	396795	1102208	3628469	50.26
1910	84071	76267	414978	1152716	3794743	49.76
1911	88689	80457	430835	1196763	3939746	48.97
1912	91276	82804	401274	1114650	3669427	44.31
1913	96799	87814	474372	1317700	4337868	49.40
1914	104774	95049	301718	838105	2759043	29.03
1915	116648	105821	585022	1625061	5349701	50.55
1916	133086	120733	723425	2009513	6615319	54.79
1917	138909	126016	1047707	2910297	9580698	76.03
1918	131726	119499	1287039	3575108	11769256	98.49
1919	148112	134364	1395368	3876022	12759865	94.96
1920	206612	187435	1544867	4291297	14126950	75.37
1921	161987	146952	1649626	4582294	15084913	102.65
1922	176741	160336	1573657	4371269	14390219	89.75
1923	197917	179547	1674365	4651013	15311137	85.28
1924	203428	184546	1337311	3714752	12228966	65.27
1925	226470	205450	1466450	4073472	13409870	65.27
1926	252345	228923	1388672	3804580	12524680	54.71
1927	254180	230588	1510777	4184977	13776947	59.75
1928	279841	253867	1377629	3837406	12632742	49.76
1929	302445	274373	1420424	3902263	12846252	46.82
1930	248637	225559	1558405	4402274	14492286	64.25
1931	231329	209858	1760388	5286450	17402994	82.93
1932	231138	209684	1789752	5946020	19574297	93.35
1933	244107	221450	1755087	5929348	19519413	88.14
1934	276751	251064	1734196	5780653	19029911	75.80
1935	320003	290301	1698508	5642883	18576373	63.99
1936	350044	317554	1557078	5006681	16481996	51.90
1937	407701	369860	1539599	4811246	15838624	42.82
1938	388130	352105	1637140	5132100	16894874	47.98
1939	370843	336423	2200189	6940659	22848650	67.92
1940	412401	374123	2371780	7165498	23588821	63.05
1941	477170	432881	2512166	7036879	23165407	53.51
1942	558407	506578	2793328	7488814	24653179	48.67
1943	594889	539674	2892839	7494401	24671570	45.72
1944	603806	547763	2906117	7283501	23977286	43.77
1945	578697	524985	2920973	7159247	23568243	44.89
1946	441679	400684	2408279	5733997	18876320	47.11
1947	633767	574943	3132165	6853752	22562554	39.24
1948	619598	562089	3265654	6365797	20956204	37.28
1949	607206	550848	3477583	6488028	21358588	38.77
1950	696582	631928	4639867	8466910	27873069	44.11
1951	772585	700877	4789990	7839590	25807933	36.82
1952	757025	686761	4401780	6910172	22748288	33.12
1953	749046	679523	3919810	6163223	20289331	29.86
1954	733066	665026	4440418	6873712	22628260	34.03
1955	998789	906086	5845340	8992830	29604399	32.67
1956	1347729	1222639	7932294	11768982	38743490	31.69
1957	1538805	1395980	9478587	13777015	45353936	32.49
1958	2126483	1929112	10204472	14619587	48127681	24.95
1959	3036230	2754421	13228977	18580024	61165439	22.21
1960	3007599	2728447	13994545	19409909	63897423	23.42
1961	2861705	2596095	13586373	18739824	61691503	23.76
1962	3155589	2862702	15387911	20935933	68921093	24.08
1963	3187491	2891643	14793161	19776953	65105729	22.52
1964	3335683	3026080	14552559	18973349	62460266	20.64
1965	3900484	3538459	15499274	19594531	64505196	18.23
1966	3782191	3431145	15243719	18432550	60679955	17.69
1967	4673278	4239526	19115598	22253315	73257915	17.28
1968	4143759	3759154	21605938	24358442	80187991	21.33
1969	3760042	3411052	19104176	20608604	67843525	19.89
1970	4158157	3772216	22700000	23450413	77198761	20.47
1971	4171454	3784279	24121302	24121302	79407326	20.98
1972	4037789	3663020	24481406	23337851	76828208	20.97
1973	4161436	3775191	33166178	29169901	96027316	25.44
1974	4456357	4042739	40169561	31042937	102193352	25.28
1975	4147958	3762965	32259074	22019845	72489333	19.26
1976	4948394	4489108	52492835	32726206	107734672	24.00
1977	4945509	4486491	57141078	33279602	109556451	24.42
1978	5362968	4865203	61679276	33759866	111137479	22.84
1979	5719523	5188664	67900216	33831697	111373946	21.46
1980	5369487	4871117	71400615	32061344	105545947	21.67
1981	5476837	4968503	80888513	32841458	108114083	21.76
1982	6019931	5461190	93200162	33989847	111894578	20.49
1983	6040648	5479984	98726006	33984856	111878145	20.42
1984	7068476	6412414	131720179	43731799	143965084	22.45
1985	6425110	5828762	125233440	39946871	131505099	22.56
1986	7394304	6708000	145104000	44077764	145104000	21.63
TOTAL	150777114	136782689		1045095379	3440454085	


SAND & GRAVEL
ONTARIO
VERTICAL SCALE X 10000
12000
10000
8000
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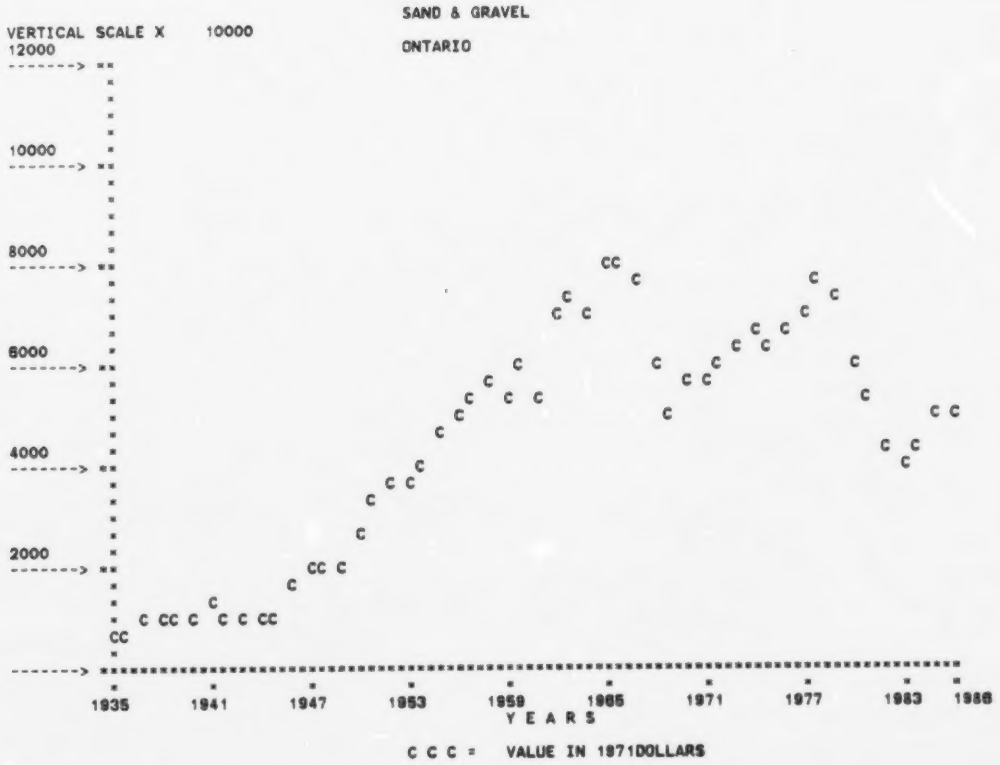
1983
1986
Y E A R S
M M M = VOLUME - TONNES


SAND & GRAVEL
ONTARIO
VERTICAL SCALE X 10000
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10000
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6000
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1935
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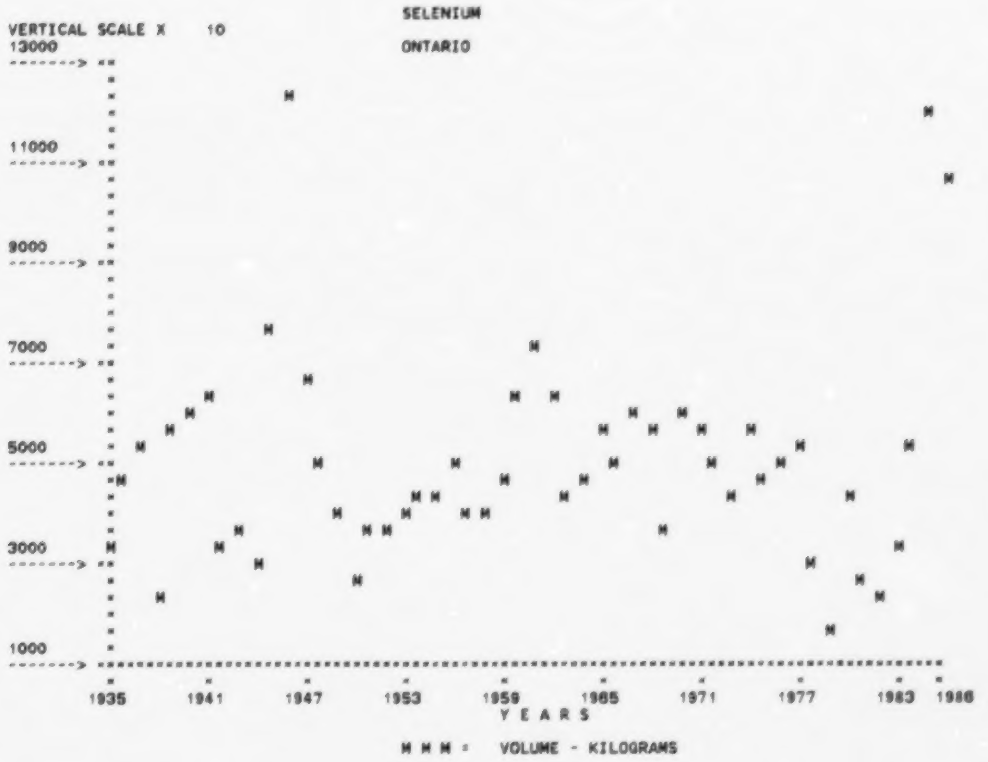
1983
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF SAND & GRAVEL IN ONTARIO

YEAR	VOLUME OF PRODUCTION: SHORT TONS	VOLUME OF PRODUCTION: TONNES	VALUE OF PRODUCTION: DOLLARS	VALUE OF PRODUCTION: 1971 DOLLARS	VALUE OF PRODUCTION: 1986 DOLLARS	UNIT VALUE: 1986 DOLLARS/TONNES
1913	575070	521694	233567	648797	2135840	4.09
1914	484785	439789	151909	421969	1389123	3.16
1915	905188	821172	178288	495244	1630344	1.99
1916	1709064	1550436	470963	1308230	4306695	2.78
1917	1603764	1454910	431597	1198880	3946714	2.71
1918	1381721	1253476	553638	1537883	5062711	4.04
1919	1438899	1305347	501666	1393516	4587456	3.51
1920	2919025	2648094	1390704	3863066	12717215	4.80
1921	6273173	5690926	1496729	4157580	13686755	2.41
1922	3576420	3244473	1816320	5045333	16609237	5.12
1923	4361886	3957036	1623317	4509213	14844332	3.75
1924	4395478	3987510	1587913	4410869	14520582	3.64
1925	3913292	3550078	1658700	4607500	15167890	4.27
1926	4899580	4444824	2117461	5801263	19097758	4.30
1927	5381769	4882258	2035793	5639315	18564627	3.80
1928	6193117	5618301	2056366	5728039	18856704	3.36
1929	8045213	7298494	3156254	8671027	28545022	3.91
1930	10215859	9267671	3559487	10055048	33101218	3.57
1931	6663972	6045453	2317015	6958002	22905745	3.79
1932	6590808	5979080	2000298	6645508	21877013	3.66
1933	5670030	5143764	2467916	8337554	27447228	5.34
1934	7254926	6581558	1714569	5715230	18814537	2.86
1935	815461[illegible]	7397745	2095610	6962159	22919429	3.10
1936	8498153	7709394	2227620	7162765	23579823	3.06
1937	8832526	8012732	3613854	11293293	37177523	4.64
1938	8531281	7739447	3046043	9548724	31434399	4.06
1939	9347792	8480174	3535698	11153621	36717722	4.33
1940	9678745	8780409	4025026	12160199	40031377	4.56
1941	11569382	10495566	4524463	12673565	41721379	3.98
1942	8420358	7638820	3433986	9206396	30307458	3.97
1943	8285309	7516305	3620852	9380445	30880427	4.11
1944	9529803	8645291	4417427	11071245	36446540	4.22
1945	10466891	9495403	4486862	10948191	36041445	3.80
1946	14880006	13498914	6738695	16044512	52818533	3.91
1947	20230499	18352800	9034131	19768339	65077372	3.55
1948	20587398	18676573	10468216	20405879	67176154	3.60
1949	22320753	20249046	11214136	20921895	68874881	3.40
1950	29879097	27105861	15285406	27893076	91824008	3.39
1951	39218058	35578024	19905293	32578221	107247504	3.01
1952	43423737	39393351	23240203	36483835	120104787	3.05
1953	43658099	39605961	24359496	38301094	126087202	3.18
1954	46433191	42123482	25577612	39593826	130342877	3.09
1955	51488067	46709189	29945730	46070354	151663606	3.25
1956	61436363	55734131	34379015	51007441	167916496	3.01
1957	66129158	59991363	36699895	53342870	175604728	2.93
1958	67469064	61206905	40055031	57385431	188912840	3.09
1959	73981703	67115072	39695602	55752250	183536408	2.73
1960	77660833	70452723	43929708	60928859	200577806	2.85
1961	70208199	63691807	40344071	55646994	183189906	2.88
1962	76600813	69491089	52365204	71245176	234539118	3.38
1963	80259750	72810421	56388204	75385299	248168402	3.41
1964	76917396	69778288	54589444	71172678	234300458	3.36
1965	88564687	80344533	63405954	80159234	263884198	3.28
1966	94123982	85387840	67245821	81[illegible]12964	267682278	3.13
1967	94751250	85956888	67664191	78770886	259313756	3.02
1968	84095642	76290283	55094706	62113535	204477760	2.68
1969	82657386	74985519	46245525	49887298	164228984	2.19
1970	82877000	75184750	54419000	56217975	185069574	2.46
1971	77631000	70425659	57104000	57104000	187986368	2.67
1972	76380000	69290771	64320000	61315539	201850756	2.91
1973	80567636	73089730	74408416	65442758	215437560	2.95
1974	79984667	72560870	85518082	66088162	217562234	3.00
1975	76837088	69705434	95578927	65241588	214775312	3.08
1976	75841273	68802045	106093326	66142971	217742662	3.16
1977	83114703	75400390	121775893	70923641	233480626	3.10
1978	96833371	87845756	142743210	78129835	257203418	2.93
1979	99776403	90515630	151847457	75658923	249069172	2.75
1980	85517591	77580254	133979765	60161547	198051812	2.55
1981	77372742	70191371	134335610	54541457	179550478	2.56
1982	59048484	53567884	116552053	42506219	139930474	2.61
1983	59064249	53582186	120231677	41387840	136248772	2.54
1984	63293807	57419176	136124510	45194080	148778848	2.59
1985	71101155	64501883	158346951	50509394	166276928	2.58
1986	76335058	69250000	167400000	50850546	167400000	2.42
TOTAL	2944319255	2671041482		2418298070	7961037324	


SELENIUM
ONTARIO
VERTICAL SCALE X 10
13000
11000
9000
7000
5000
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1000
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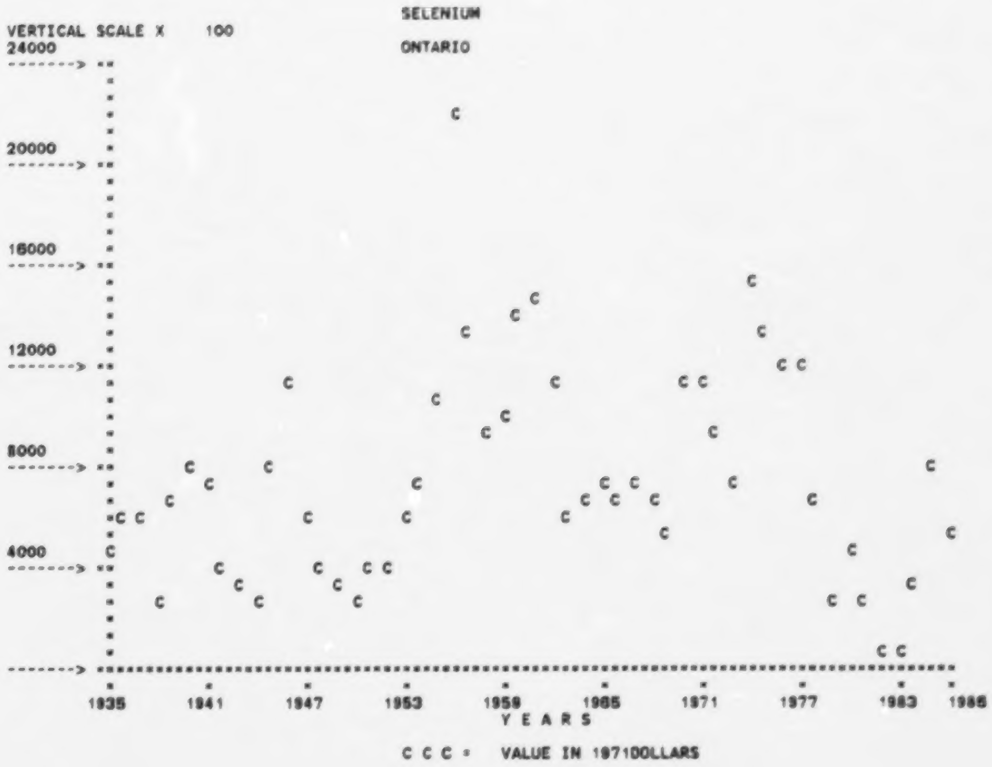
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
M M M = VOLUME - KILOGRAMS


SELENIUM
ONTARIO
VERTICAL SCALE X 100
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20000
16000
12000
8000
4000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

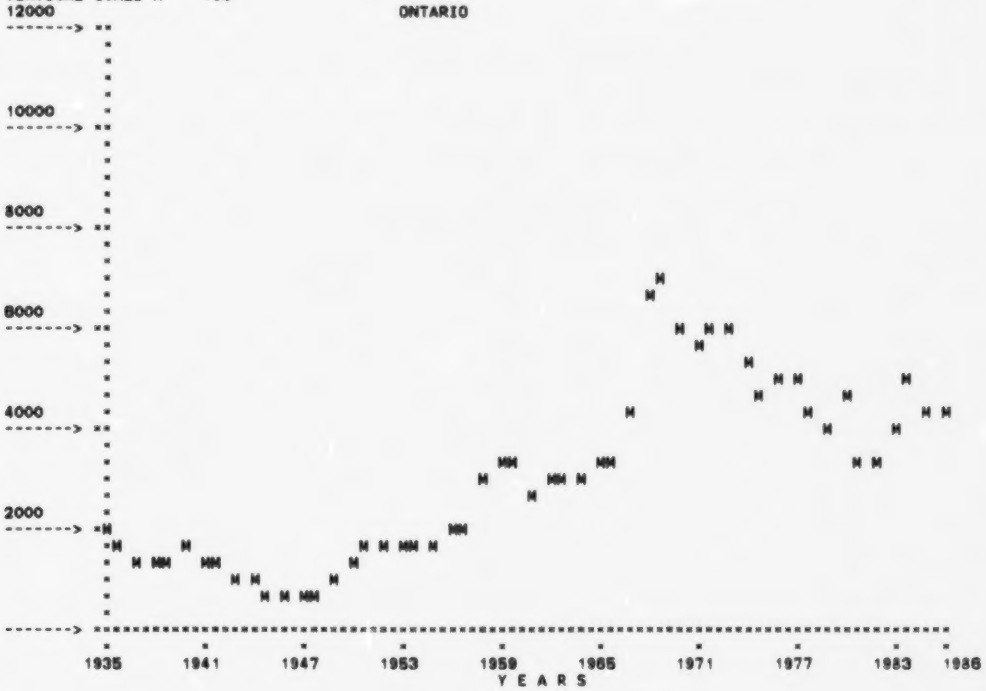
VOLUME AND VALUE OF PRODUCTION OF SELENIUM IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/KILOGRAMS
1931	16899	7665	32108	96420	317416	41.41
1932	0	0	0	0	0	.00
1933	26090	11834	53745	181570	597731	50.51
1934	51574	23393	91288	304286	1001711	42.82
1935	75363	34184	144697	480720	1582533	46.29
1936	106300	48216	188151	604987	1991617	41.31
1937	116696	52932	201884	630887	2076881	39.24
1938	54577	24755	94691	296836	977187	39.47
1939	126930	57574	224539	708324	2331805	40.50
1940	136350	61847	260429	786794	2590127	41.88
1941	142498	64636	272171	762383	2509767	38.83
1942	76000	34473	145920	391206	1287851	37.36
1943	82000	37194	143500	371761	1223839	32.90
1944	65000	29483	117000	293233	965323	32.74
1945	168000	76203	322560	790588	2602616	34.15
1946	270606	122744	492503	1172626	3860285	31.45
1947	146406	66408	273779	599078	1972167	29.70
1948	108989	49436	217978	424908	1398798	28.30
1949	86842	39390	178026	332138	1093398	27.76
1950	63709	28897	154176	281343	926181	32.05
1951	82409	37380	267005	436996	1438593	38.49
1952	81578	37003	265128	416213	1370174	37.03
1953	92698	42047	389332	612157	2015221	47.93
1954	94826	43012	474130	733947	2416154	56.17
1955	94465	42848	708488	1089981	3588219	83.74
1956	109156	49512	1473606	2186359	7197494	145.37
1957	86459	39217	951049	1382338	4550658	116.04
1958	90295	40957	677213	970219	3193961	77.98
1959	101400	45994	709800	996910	3281828	71.35
1960	144500	65544	1011500	1402912	4618388	70.46
1961	164800	74752	1071200	1477517	4863986	65.07
1962	142915	64825	821761	1118042	3680594	56.78
1963	95100	43136	461235	616624	2029927	47.06
1964	104905	47584	508789	663349	2183746	45.89
1965	123175	55871	597399	755245	2486267	44.50
1966	111000	50348	538350	650967	2142984	42.56
1967	134800	61144	653780	761094	2505522	40.98
1968	127500	57833	618375	697153	2295028	39.68
1969	84000	38101	480480	518317	1706300	44.78
1970	131506	59650	1130952	1168338	3846171	64.48
1971	128000	58059	1163520	1163520	3830307	65.97
1972	108783	49343	989257	923981	3041748	61.64
1973	94950	43068	887843	763274	2512699	58.34
1974	128504	58288	2023938	1564094	5148998	88.34
1975	107700	48851	1971987	1346066	4431250	90.71
1976	108400	49169	1924100	1199563	3948963	80.31
1977	117174	53149	2128700	1239778	4081351	76.79
1978	69403	31480	1187485	649964	2139682	67.97
1979	40400	18325	581356	289664	953574	52.04
1980	94999	43091	1068915	479979	1580093	36.67
1981	62999	28576	679823	276014	908638	31.80
1982	55199	25038	273915	99896	328857	13.13
1983	77721	35254	334615	115185	379191	10.76
1984	120334	54583	1106316	367302	1209160	22.15
1985	265229	120306	2624955	837306	2756412	22.91
1986	235894	107000	1841000	559234	1841000	17.21
TOTAL	5934005	2691602		40039586	131810371	

SILVER

ONTARIO

VERTICAL SCALE X 100

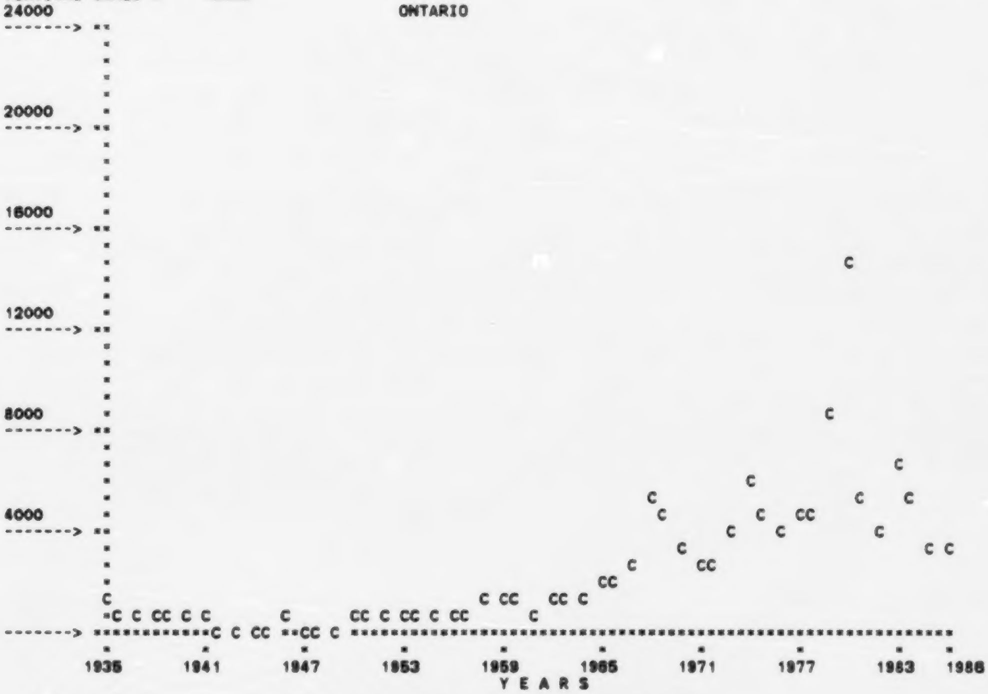


M M M = VOLUME - KILOGRAMS

SILVER

ONTARIO

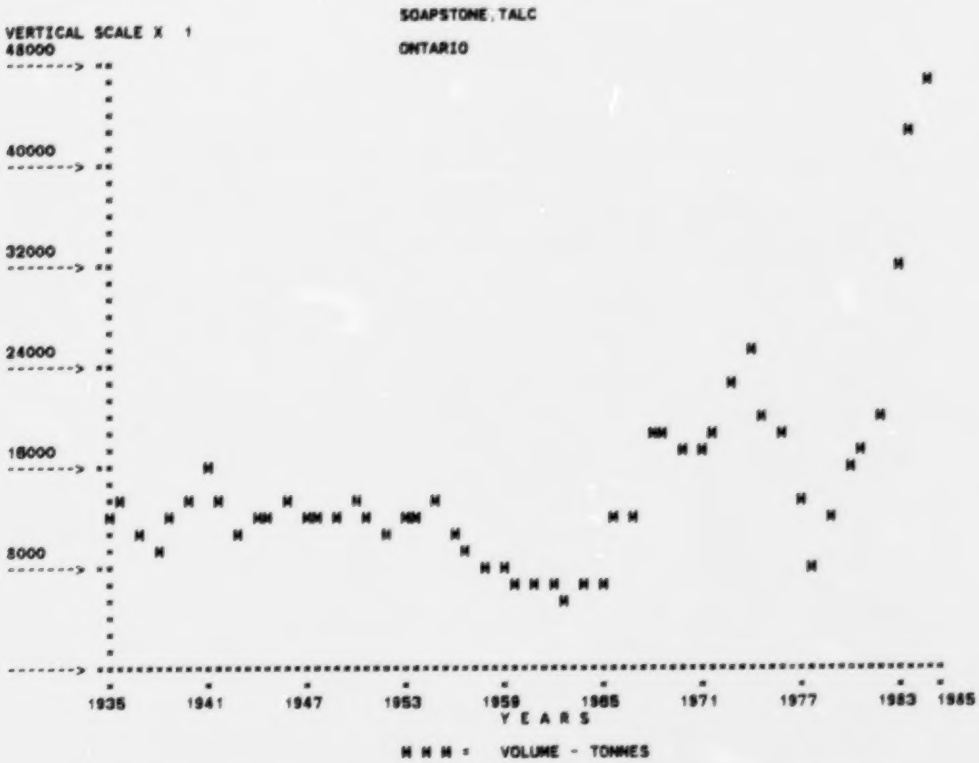
VERTICAL SCALE X 10000



C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF SILVER IN ONTARIO

YEAR	VOLUME OF PRODUCTION: TROY OUNCES	VOLUME OF PRODUCTION: KILOGRAMS	VALUE OF PRODUCTION: DOLLARS	VALUE OF PRODUCTION: 1971 DOLLARS	VALUE OF PRODUCTION: 1986 DOLLARS	UNIT VALUE: 1986 DOLLARS/KILOGRAMS
1905	2473552	76938	1372877	3813547	12554197	163.18
1906	5433984	169015	3689286	10248016	33736471	199.61
1907	9996887	310937	6146904	17074733	56210022	180.78
1908	19444397	604788	9135975	25380486	83552560	138.15
1909	26006450	808891	12646073	35127980	115641312	142.96
1910	30901242	961136	15624312	43400867	142875654	148.65
1911	31499410	979741	16175229	44931192	147913484	150.97
1912	30721026	955530	17699391	49164975	161851098	169.38
1913	29797060	926792	16588887	46080242	151696156	163.68
1914	25172982	782967	12830913	35641425	117331571	149.86
1915	24354882	757521	11950198	33194994	109277922	144.26
1916	19959116	620797	12672536	35201489	115883302	186.67
1917	19479288	605873	16182966	44952683	147984234	244.25
1918	17413506	541620	17414283	48373008	159243944	294.01
1919	11335018	352558	12904348	35845411	118003094	334.71
1920	11065507	344175	10859320	30164778	99302449	288.52
1921	8427102	262112	5667071	15741864	51822216	197.71
1922	10912114	339404	7793755	21649319	71269560	209.98
1923	10635724	330807	6840872	19002422	62555974	189.10
1924	10287994	319992	6939240	19275666	63455495	198.30
1925	12035119	374334	8298106	23050294	75881569	202.71
1926	10389156	323138	6343415	17379219	57212390	177.05
1927	9047598	281411	5171753	14326185	47161303	167.59
1928	7218271	224513	4189713	11670509	38419318	171.12
1929	8518816	264964	4381028	12035791	39621824	149.54
1930	10566498	328654	4026894	11375406	37447839	113.94
1931	7185593	223496	2208449	6631978	21832474	97.69
1932	5768230	179412	1755186	5831182	19196253	107.00
1933	5076927	157910	1887398	6376344	20990926	132.93
1934	5284738	164373	2485893	8286310	27278533	165.96
1935	6265035	194864	4013157	13332747	43891405	225.24
1936	5132583	159641	2294402	7377498	24286724	152.13
1937	4507683	140204	2011538	6286058	20693697	147.60
1938	4403334	136958	1914602	6001887	19758212	144.26
1939	4633589	144120	1860728	5869804	19323396	134.08
1940	5083671	158119	1852110	5595498	18420381	116.50
1941	4756679	147949	1787633	5007375	16484279	111.42
1942	4311631	134106	1748491	4687643	15431722	115.07
1943	3152765	98061	1360417	3524396	11602312	118.32
1944	2947871	91689	1239961	3107671	10230455	111.58
1945	2861188	88992	1321491	3238948	10662618	119.82
1946	2608365	81129	2171545	5170345	17020776	209.80
1947	2413827	75078	1715401	3753612	12356893	164.59
1948	2776544	86360	2155682	4202109	13833343	160.18
1949	2941433	91488	2209831	4122819	13572320	148.35
1950	4925337	153195	4082207	7449282	24523039	160.08
1951	6115694	190219	5781939	9463075	31152444	163.77
1952	6017665	187170	5021323	7882787	25950071	138.64
1953	5154619	160326	4331199	6810061	22418721	139.83
1954	5443721	169318	4530484	7013133	23087234	136.35
1955	6051017	188207	5337163	8211020	27030678	143.62
1956	6626447	206105	5940586	8813925	29015444	140.78
1957	6910130	214929	6034598	8771218	28874849	134.35
1958	9815257	305288	8529142	12219401	40226288	131.76
1959	10540856	327857	9252763	12995453	42781033	130.49
1960	11220823	349006	9976434	13836940	45551207	130.52
1961	8870402	275900	8361240	11532744	37965796	137.61
1962	9383445	291857	10931713	14873078	48962176	167.76
1963	9601621	298643	13288643	17765565	58484241	195.83
1964	9929858	308853	13901801	18124903	59667183	193.19
1965	10822213	336608	15151088	19154359	63056150	187.33
1966	10900204	339034	15249385	18439401	60702510	179.05
1967	14309391	445071	24783864	28851995	94980769	213.41
1968	21844592	679442	50526541	56963406	187523532	276.00
1969	22260439	692377	42962647	46345898	152570694	220.36
1970	19876430	618226	36771396	37986979	125053136	202.28
1971	18681633	581063	29143347	29143347	95939898	165.11
1972	19587694	609245	32711449	31183459	102655950	168.50
1973	19617406	610169	49553568	43582733	143474360	235.14
1974	17852419	555272	82638847	63863097	210237318	378.62
1975	14908138	463694	67178070	45853973	150951280	325.54
1976	16317178	507520	70131231	43722712	143935170	283.60
1977	16857240	524318	82937621	48303797	159016100	303.28
1978	14286562	444361	88162373	48255266	158856338	357.49
1979	13244397	411946	171832807	85616745	281850324	684.19
1980	14822362	461027	335566122	150680792	496041168	1075.95
1981	10570490	328779	136969048	55610657	183070284	556.82
1982	11155473	346974	118679990	43282272	142485240	410.65
1983	13332786	414696	197916854	68129726	224283058	540.84
1984	16606664	516525	163232892	54194187	178407264	345.40
1985	13827811	430093	116942267	37302158	122798706	285.52
1986	14049876	437000	111218000	33784325	111218000	254.50
TOTAL	957542673	29782866		2068520572	6809569810	


SOAPSTONE,TALC
ONTARIO
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32000
24000
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1947
1953
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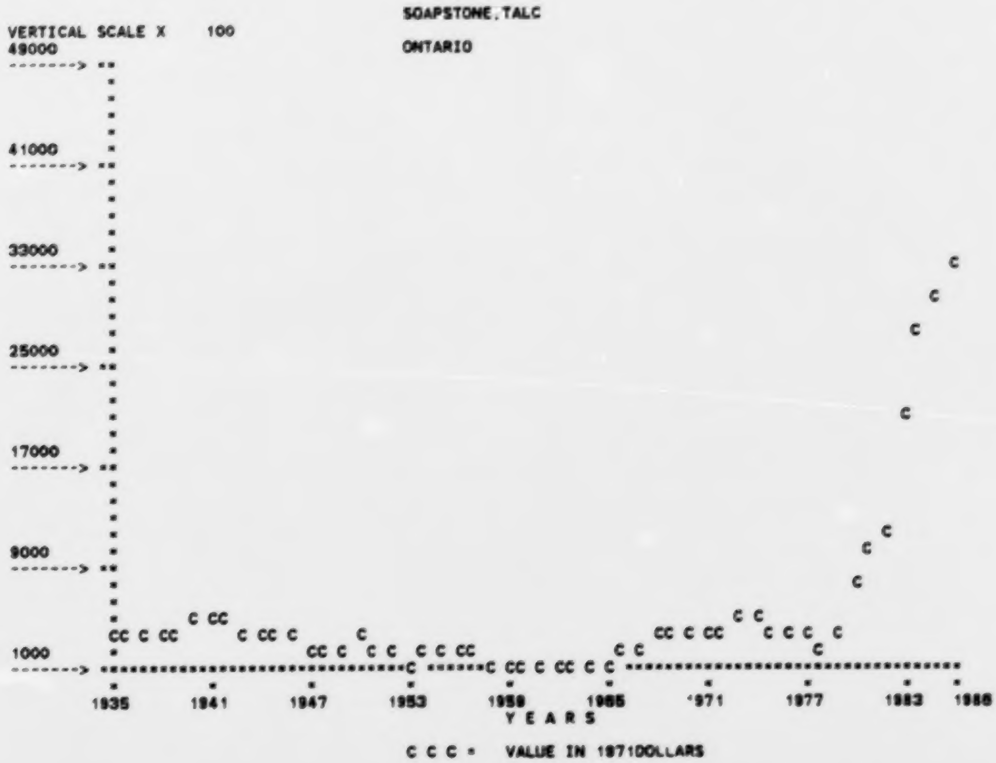
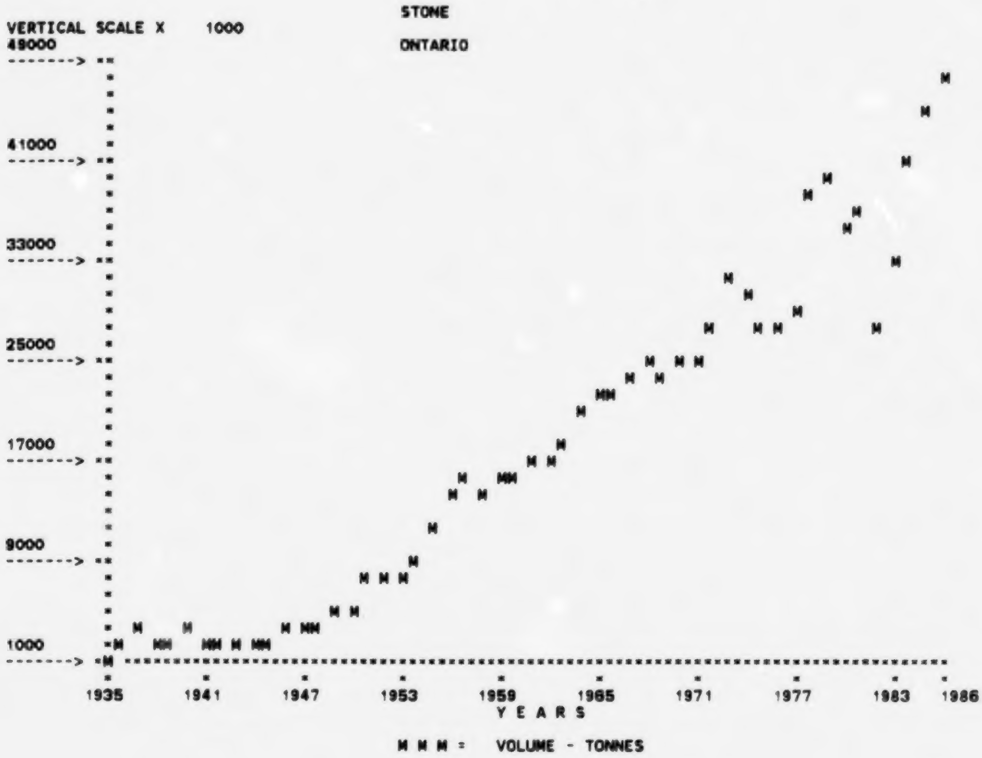
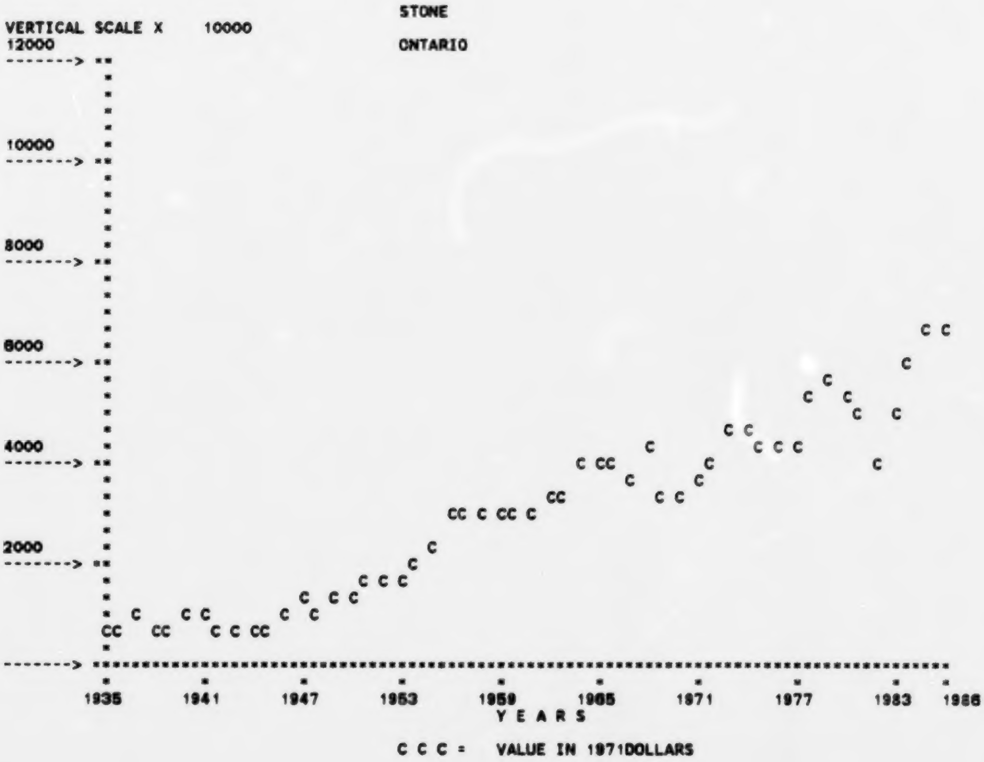
1985
Y E A R S
M M M = VOLUME - TONNES


SOAPSTONE,TALC
ONTARIO
VERTICAL SCALE X 100
49000
41000
33000
25000
17000
9000
1000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF SOAPSTONE, TALC
IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/TONNES
1905	1120	1018	2240	6222	20483	20.16
1906	1235	1120	3030	8416	27707	24.74
1907	1870	1696	5010	13916	45813	27.01
1908	1016	921	3048	8466	27872	30.28
1909	4350	3946	8700	24166	79556	20.16
1910	5824	5283	46592	129422	426057	80.65
1911	5404	4902	47725	132569	436418	89.03
1912	6726	6101	61358	170438	561084	91.97
1913	20738	18813	125340	348166	1146164	60.92
1914	10135	9194	74583	207175	682020	74.18
1915	11005	9983	85325	237013	780249	78.16
1916	11810	10713	111489	309691	1019504	95.17
1917	16076	14583	179554	498761	1641921	112.59
1918	17465	15843	246691	685252	2255852	142.39
1919	17571	15940	240399	667775	2198315	137.91
1920	20359	18469	306319	850886	2801117	151.67
1921	9967	9041	140390	389972	1283788	142.00
1922	12871	11676	178397	495547	1631341	139.72
1923	9531	8646	125124	347566	1144189	132.34
1924	10718	9723	130577	362713	1194054	122.81
1925	13678	12408	174116	483655	1592194	128.32
1926	14882	13500	178986	490372	1614306	119.58
1927	15138	13732	181981	504102	1659505	120.85
1928	14925	13539	179187	499128	1643129	121.36
1929	15463	14027	180492	495857	1632361	116.37
1930	11664	10581	133213	376307	1238805	117.08
1931	11806	10710	122044	366498	1206513	112.65
1932	12064	10944	111585	370714	1220391	111.51
1933	15114	13711	142134	480182	1580760	115.29
1934	13934	12640	135978	453260	1492131	118.05
1935	13710	12437	138161	459006	1511049	121.50
1936	14461	13118	143701	462061	1521105	115.96
1937	12457	11300	123301	385315	1268459	112.25
1938	10853	9845	109810	344231	1133211	115.11
1939	13144	11924	128595	405662	1335440	112.00
1940	15166	13758	154734	467474	1538925	111.86
1941	18171	16484	204884	573904	1889294	114.61
1942	15499	14060	174295	467278	1538281	109.41
1943	11959	10849	131216	339937	1119075	103.15
1944	13584	12323	153122	383764	1263352	102.52
1945	12863	11669	141194	346063	1139241	97.63
1946	14439	13098	153680	365904	1204558	91.97
1947	13430	12183	142910	312713	1029452	84.50
1948	14301	12973	164462	320588	1055377	81.35
1949	13600	12337	160757	299919	987335	80.03
1950	15263	13846	182048	332204	1093616	78.98
1951	13651	12383	160540	262749	864971	69.85
1952	12454	11298	149711	235025	773702	68.48
1953	13310	12074	125209	196869	648094	53.68
1954	13697	12425	169651	262617	864537	69.58
1955	14591	13236	194952	299926	987356	74.60
1956	12371	11222	167851	249037	819830	73.06
1957	11236	10193	160015	232579	765653	75.12
1958	8725	7915	125511	179815	591951	74.79
1959	8796	7979	125903	176830	582124	72.96
1960	7189	6521	102645	142364	468664	71.87
1961	7417	6728	107660	148496	488850	72.66
1962	8082	7331	127912	174029	572906	78.15
1963	6903	6262	107986	144366	475253	75.89
1964	8060	7311	136468	177924	585727	80.12
1965	8028	7282	137458	173777	572075	78.56
1966	13509	12255	219924	265929	875441	71.44
1967	13829	12545	228650	266181	876269	69.85
1968	20254	18374	298991	337081	1109671	60.39
1969	20269	18387	315347	340180	1119873	60.91
1970	19109	17335	334889	345959	1138899	65.70
1971	19420	17617	352541	352541	1160564	65.88
1972	20873	18935	417728	398215	1310925	69.23
1973	24803	22500	550799	484431	1594749	70.88
1974	28626	25969	723119	558824	1839650	70.84
1975	23011	20876	624381	426198	1403045	67.21
1976	20486	18585	586902	365899	1204539	64.81
1977	15552	14109	660189	384501	1265778	89.71
1978	9243	8386	440324	241009	793402	94.61
1979	13390	12148	914257	455534	1499618	123.45
1980	17982	16313	1697535	762251	2509333	153.82
1981	20094	18229	2591565	1052198	3463837	190.02
1982	22555	20462	3433781	1252290	4122540	201.47
1983	36240	32877	6060101	2086093	6867419	208.88
1984	47194	42814	8505499	2823870	9296182	217.13
1985	52443	47576	9623731	3069770	10105685	212.41
1986	N/A	N/A	11068000	3362089	11068000	.00
TOTAL	1170751	1062057		39367676	129598481	


STONE
ONTARIO
VERTICAL SCALE X 1000
49000
41000
33000
25000
17000
9000
1000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
M M M = VOLUME - TONNES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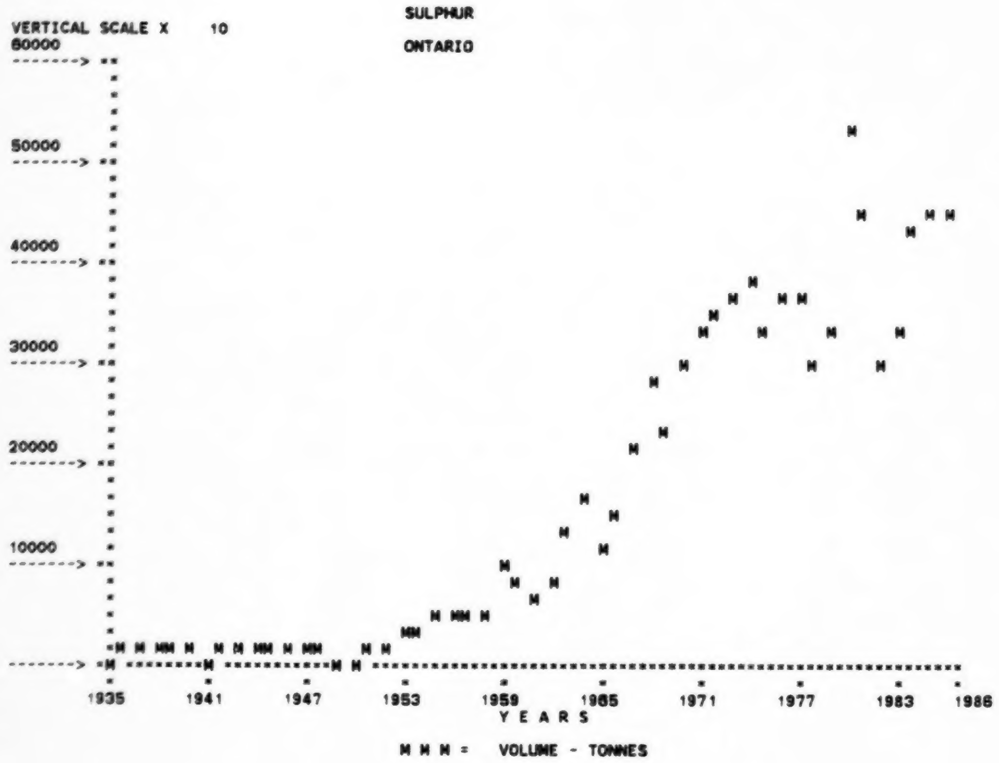
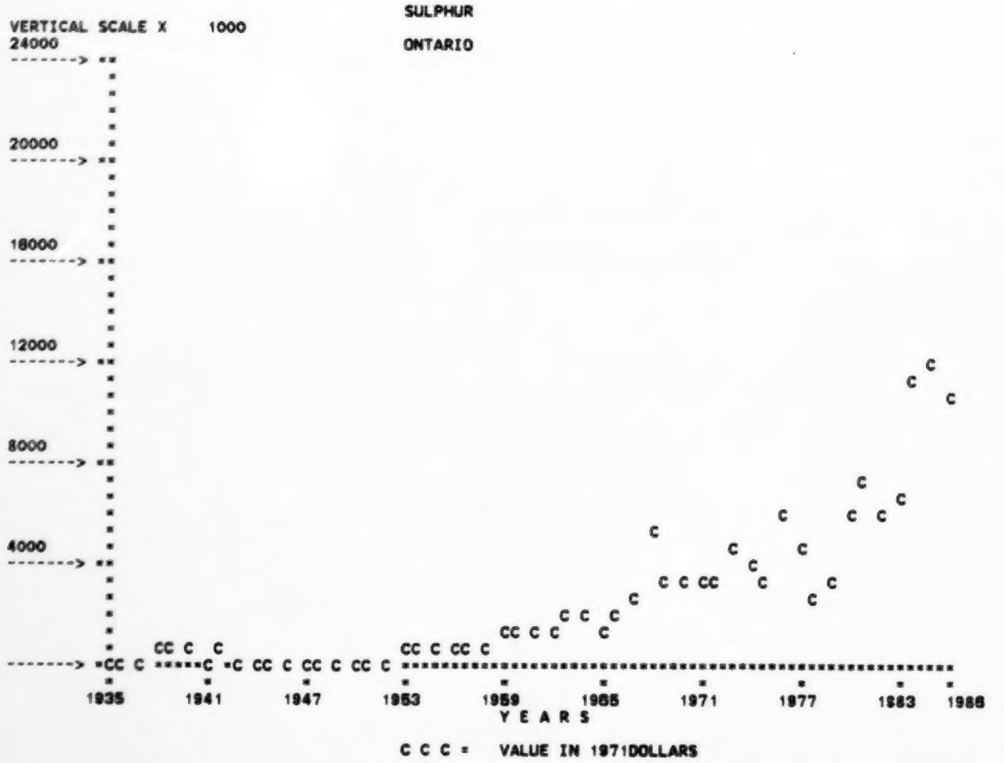
ONTARIO
VERTICAL SCALE X 10000
12000
10000
8000
6000
4000
2000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF STONE IN ONTARIO

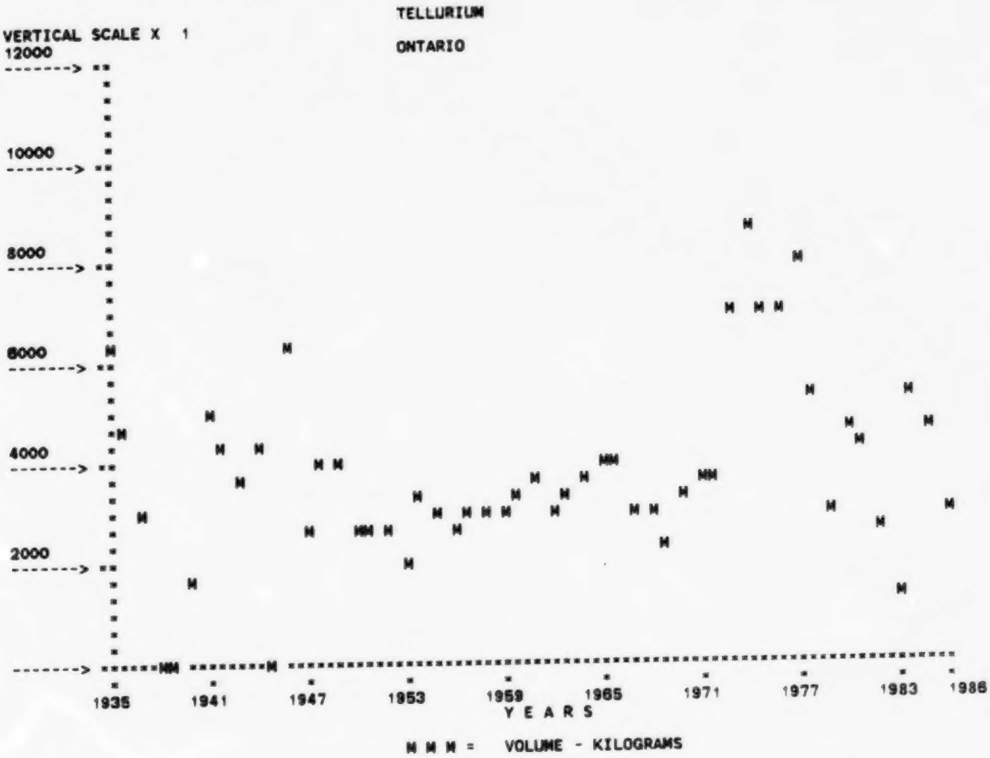
YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/TONNES
1909	0	0	660000	1833333	6035333	.00
1910	0	0	761126	2114238	6960074	.00
1911	0	0	692627	1923963	6333689	.00
1912	0	0	953839	2649552	8722327	.00
1913	0	0	1137153	3158758	10398632	.00
1914	0	0	1088862	3024616	9957038	.00
1915	0	0	651593	1809980	5958456	.00
1916	0	0	755313	2098091	6906917	.00
1917	0	0	941052	2614033	8605397	.00
1918	0	0	869238	2414550	7948698	.00
1919	0	0	1230922	3419227	11256097	.00
1920	0	0	3944972	10958255	36074577	.00
1921	2716080	2463986	4167582	11576616	38110222	15.47
1922	2317265	2102187	2969926	8249794	27158323	12.92
1923	2858993	2593634	2552555	7090430	23341697	9.00
1924	2840173	2576561	2789368	7748244	25507220	9.90
1925	3023594	2742958	2817335	7825930	25762963	9.39
1926	3627971	3291239	3258168	8926487	29385997	8.93
1927	4254960	3860034	4060709	11248501	37030066	9.59
1928	4597764	4171021	4024989	11211668	36908812	8.85
1929	5244194	4757452	4771616	13108835	43154285	9.07
1930	5431106	4927016	4853852	13711446	45138081	9.16
1931	3708085	3363918	2974415	8932177	29404726	8.74
1932	1905138	1728312	1655016	5498392	18100706	10.47
1933	1253907	1137525	983268	3321851	10935534	9.61
1934	2460421	2232056	1966107	6553690	21574747	9.67
1935	2122941	1925899	1863892	6192332	20385157	10.58
1936	2706680	2455458	2398456	7712077	25388158	10.34
1937	4277601	3880574	3663769	11449278	37691023	9.71
1938	2513291	2280019	2323165	7282648	23974480	10.52
1939	2437594	2211348	2298111	7249561	23865556	10.79
1940	3840274	3483837	3387395	10233821	33689741	9.67
1941	3526337	3199039	3274027	9170944	30190747	9.44
1942	3106982	2818606	2985937	8005192	26353095	9.35
1943	3206027	2908458	2958383	7664204	25230562	8.67
1944	2988283	2710924	2909980	7293183	24009158	8.86
1945	2952357	2678333	2926694	7173269	23614403	8.82
1946	3882559	3522198	3906786	9301871	30621760	8.69
1947	4726647	4287942	5722763	12522457	41223929	9.61
1948	5017940	4552198	6338253	12355269	40673545	8.93
1949	5649528	5125165	7380457	13769509	45329225	8.84
1950	5716059	5185521	7843124	14312270	47115993	9.09
1951	8080087	7330131	10396650	17015793	56015993	7.64
1952	8217411	7454709	10302173	16172958	53241372	7.14
1953	8818886	8000358	11818582	18582676	61174169	7.65
1954	10142056	9200718	12632298	19554640	64373877	7.00
1955	12739139	11556752	16307975	25089192	82593622	7.15
1956	15734664	14274247	20820727	30891286	101694116	7.12
1957	17390438	15776340	22195815	32261358	106204393	6.73
1958	15756560	14294110	20670480	29613868	97488854	6.82
1959	17288796	15684132	22053425	30973911	101966117	6.50
1960	17938583	16273608	23220659	32206184	106022759	6.52
1961	18361843	16657583	23493092	32404264	106674840	6.40
1962	18797648	17052939	25043550	34072857	112167846	6.58
1963	20402614	18508940	25073907	33521265	110352008	5.96
1964	23845993	21632721	30818734	40180879	132275454	6.11
1965	24659053	22370316	32284988	40815408	134364324	6.01
1966	25702843	23317227	33602286	40631543	133759040	5.74
1967	25744989	23355461	32522455	37860832	124637860	5.34
1968	28636257	25978375	37733856	42540987	140044932	5.39
1969	27034506	24525291	32293526	34836598	114682079	4.68
1970	27673376	25104864	34447188	35585938	117148908	4.67
1971	28238491	25617528	38483600	38483600	126688011	4.95
1972	31091493	28205728	41230596	39304667	129390967	4.59
1973	35539327	32240735	52869733	46499325	153075780	4.75
1974	34459673	31261289	60916200	47075889	154973828	4.96
1975	30342065	27525859	62249745	42491293	139881340	5.08
1976	31047044	28165405	71860589	44800866	147484452	5.24
1977	31822770	28869132	77884277	45360673	149327336	5.17
1978	42041265	38139194	101622551	55622633	183109708	4.80
1979	43906153	39830992	113477990	56541101	186133304	4.67
1980	39690103	36006256	122858916	55167901	181612730	5.04
1981	41387762	37546346	126905736	51524862	169619848	4.52
1982	31371993	28460194	110784867	40402942	133006485	4.67
1983	37293215	33831836	143703182	49467532	162847116	4.81
1984	45620919	41386602	179479698	59588213	196164398	4.74
1985	50545901	45854470	211666410	67517196	222266610	4.85
1986	52910943	48000000	220000000	66828675	220000000	4.58
TOTAL	1085185610	984463806		1746200345	5748491620	

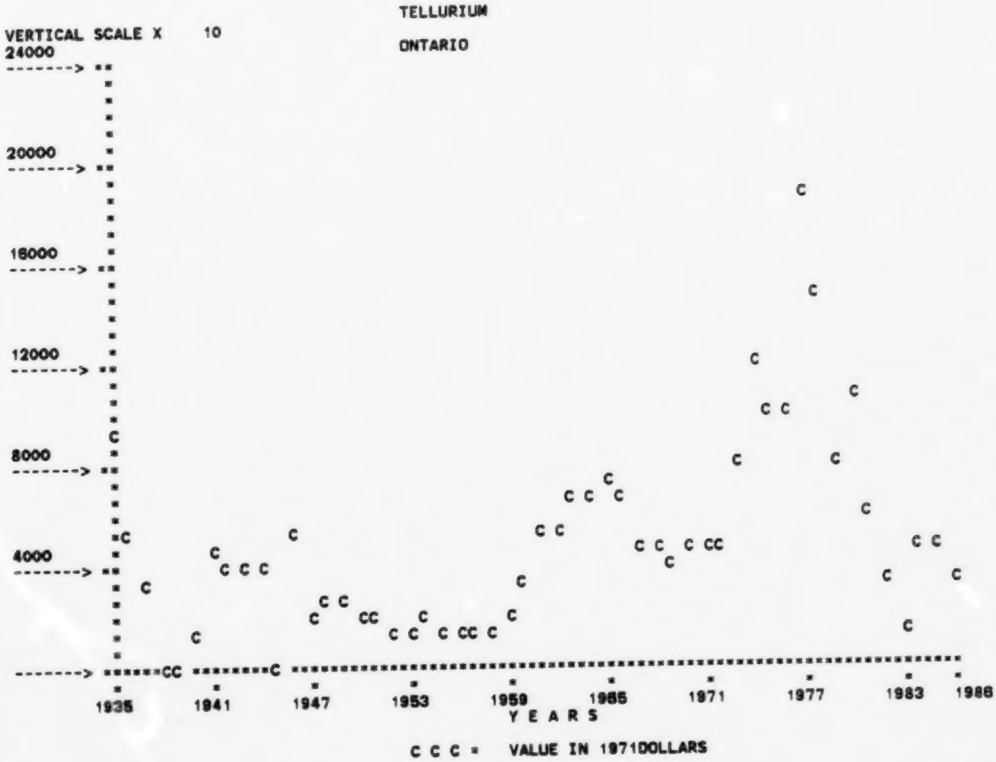

VERTICAL SCALE X 10
SULPHUR
ONTARIO
60000
50000
40000
30000
20000
10000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
M M M = VOLUME - TONNES


VERTICAL SCALE X 1000
SULPHUR
ONTARIO
24000
20000
16000
12000
8000
4000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF SULPHUR IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/TONNES
1905	7325	6645	21885	60791	200128	30.12
1906	10323	9364	38368	106577	350854	37.47
1907	15755	14292	51842	144005	474066	33.17
1908	20970	19023	69980	194388	639928	33.64
1909	28946	26259	78171	217141	714830	27.22
1910	33812	30673	98353	273202	899383	29.32
1911	43629	39579	118457	329047	1083223	27.37
1912	20744	18818	71043	197341	649648	34.52
1913	71620	64972	171687	476908	1569982	24.16
1914	107258	97302	264722	735338	2420735	24.88
1915	145315	131827	353498	981938	3232542	24.52
1916	175593	159295	471807	1310575	4314412	27.08
1917	286049	259499	1111264	3086844	10161891	39.16
1918	270966	245816	1144737	3179825	10467983	42.58
1919	117178	106302	366422	1017838	3350725	31.52
1920	148651	134853	618283	1717452	5653854	41.93
1921	27785	25206	101306	281405	926387	36.75
1922	11235	10192	39763	110452	363610	35.68
1923	25134	22801	99716	276988	911847	39.99
1924	11429	10368	44542	123727	407311	39.29
1925	685	621	8799	24441	80461	129.57
1926	371	336	4912	13457	44302	131.85
1927	463	420	6077	16833	55416	131.94
1928	4974	4512	54100	150696	496092	109.95
1929	4579	4153	51516	141527	465908	112.19
1930	7277	6601	73855	208629	686809	104.05
1931	6508	5903	65080	195435	643373	108.99
1932	3332	3022	33320	110697	364416	120.59
1933	8196	7435	81960	276891	911528	122.60
1934	14598	13243	145980	486600	1601887	120.96
1935	13292	12058	132920	441594	1453729	120.56
1936	14152	12838	141520	455048	1498018	116.69
1937	14009	12708	140090	437781	1441175	113.41
1938	16897	15328	168970	529686	1743728	113.76
1939	16126	14629	161260	508706	1674662	114.48
1940	18688	16953	186880	564592	1858637	109.63
1941	10057	9123	100570	281708	927384	101.65
1942	18634	16904	186340	499571	1644587	97.29
1943	16907	15337	169070	438005	1441913	94.02
1944	17876	16216	178760	448020	1474882	90.95
1945	16847	15283	168470	412916	1359321	88.94
1946	15433	14000	153680	365904	1204558	86.04
1947	15931	14452	159310	348599	1147589	79.41
1948	15550	14106	155500	303118	997867	70.74
1949	12630	11457	126300	235634	775708	67.71
1950	13154	11933	131540	240036	790200	66.22
1951	15605	14156	156050	255400	840780	59.39
1952	18346	16643	183460	288006	948116	56.97
1953	37130	33683	371300	583805	1921886	57.06
1954	49598	44994	495980	767770	2527501	56.17
1955	57100	51800	571000	878461	2891895	55.83
1956	53481	48517	534810	793486	2612158	53.84
1957	54264	49227	542846	789020	2597454	52.76
1958	62260	56481	622619	892004	2936478	51.99
1959	107690	97694	1041857	1463282	4817125	49.31
1960	95766	86877	985717	1367152	4500666	51.81
1961	84712	76849	855058	1179390	3882553	50.52
1962	94803	86003	952877	1296431	4267851	49.62
1963	147246	133579	1460438	1952457	6427489	48.12
1964	179283	162642	1676727	2186084	7196591	44.25
1965	140116	127111	1322611	1672074	5504469	43.30
1966	161159	146200	1517809	1835319	6041870	41.33
1967	234448	212687	2354010	2740407	9021421	42.42
1968	309353	280640	4676198	5271925	17355179	61.84
1969	253091	229600	3393087	3660288	12049668	52.48
1970	331346	300592	3097285	3199674	10533328	35.04
1971	372692	338100	3406225	3406225	11213292	33.17
1972	391084	354785	3448498	3287414	10822169	30.50
1973	405157	367552	5437184	4782044	15742488	42.83
1974	421906	382746	5661978	4375562	14404352	37.63
1975	378632	343490	4770425	3256262	10719617	31.21
1976	401615	364339	9597141	5983255	19696875	54.06
1977	416439	377788	7934689	4621251	15213160	40.27
1978	330735	300038	5135083	2810663	9252705	30.84
1979	370690	336285	6894212	3435083	11308293	33.63
1980	597072	541655	13440942	6035447	19868693	36.68
1981	492553	446837	18578353	7542977	24831481	55.57
1982	343577	311688	17588171	6414358	21116068	67.75
1983	373410	338752	19710474	6785016	22336275	65.94
1984	491082	445503	35590585	11816263	38899139	87.32
1985	496029	449990	38256598	12203061	40172479	89.27
1986	503756	457000	35364000	10742405	35364000	77.38
TOTAL	11150109	10115180		153527627	505413051	


TELLURIUM
ONTARIO
VERTICAL SCALE X 1
12000
10000
8000
6000
4000
2000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
M M M = VOLUME - KILOGRAMS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ONTARIO
VERTICAL SCALE X 10
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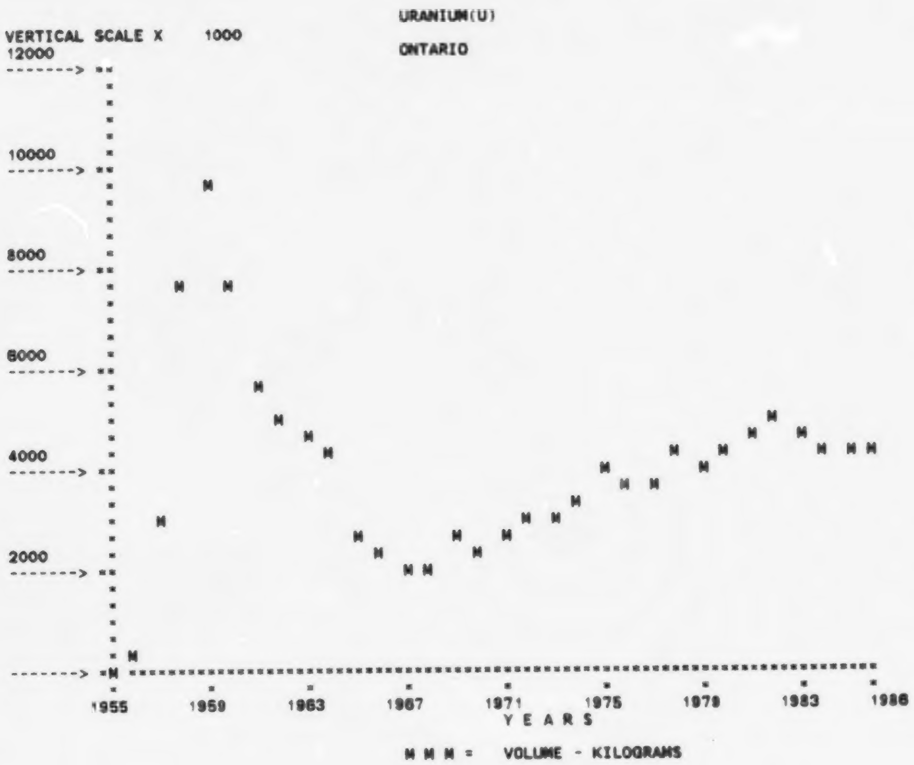
20000
16000
12000
8000
4000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1986
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF TELLURIUM IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/KILOGRAMS
1934	5130	2326	25599	85330	280906	120.77
1935	14275	6475	28550	94850	312247	48.22
1936	10197	4625	18049	58035	191052	41.31
1937	6651	3016	11506	35956	118367	39.25
1938	0	0	0	0	0	.00
1939	0	0	0	0	0	.00
1940	3491	1583	5607	16939	55765	35.23
1941	11453	5194	18394	51523	169616	32.66
1942	9500	4309	15200	40750	134151	31.13
1943	8600	3900	15050	38989	128353	32.91
1944	9900	4490	17325	43421	142942	31.84
1945	0	0	0	0	0	.00
1946	14200	6441	21868	52066	171403	26.61
1947	6169	2798	10796	23623	77768	27.79
1948	8739	3963	15293	29810	98137	24.76
1949	8726	3958	15707	29304	96469	24.37
1950	6010	2726	11419	20837	68597	25.16
1951	6301	2858	11594	18975	62467	21.86
1952	5710	2590	9707	15238	50165	19.37
1953	4525	2052	7919	12451	40989	19.93
1954	7195	3263	12591	19490	64163	19.66
1955	6455	2927	11296	17378	57209	19.55
1956	6305	2859	11034	16370	53893	18.85
1957	6915	3136	12101	17588	57901	18.46
1958	6692	3035	11376	16297	53652	17.68
1959	6900	3129	14835	20835	68591	21.92
1960	7450	3379	26075	36165	119055	35.23
1961	8050	3651	39043	53852	177282	48.56
1962	7011	3180	42066	57232	188409	59.25
1963	7705	3494	50082	66954	220414	63.08
1964	7900	3583	51350	66949	220396	61.51
1965	9315	4225	60548	76546	251989	59.64
1966	9000	4082	58500	70737	232868	57.05
1967	6500	2948	42250	49185	161917	54.92
1968	6600	2993	42636	48067	158238	52.87
1969	5610	2544	36241	39094	128700	50.59
1970	7325	3322	45928	47446	156193	47.02
1971	8100	3674	49086	49086	161591	43.98
1972	8327	3777	49462	47151	155222	41.10
1973	15346	6960	93150	81926	269700	38.75
1974	19468	8830	158080	122163	402163	45.55
1975	15286	6933	144606	98707	324944	46.87
1976	15500	7030	157945	98469	324161	46.11
1977	17802	8074	325367	189497	623825	77.26
1978	11700	5307	266912	146093	480938	90.62
1979	6900	3129	161667	80551	265175	84.75
1980	10815	4906	246560	110713	364470	74.29
1981	9800	4445	159575	64788	213284	47.98
1982	6267	2843	93819	34215	112637	39.62
1983	2786	1264	34633	11921	39246	31.05
1984	12191	5530	149033	49479	162887	29.46
1985	10591	4804	159084	50744	167050	34.77
1986	6613	3000	109000	33110	109000	36.33
TOTAL	439997	199560		2656895	8746557	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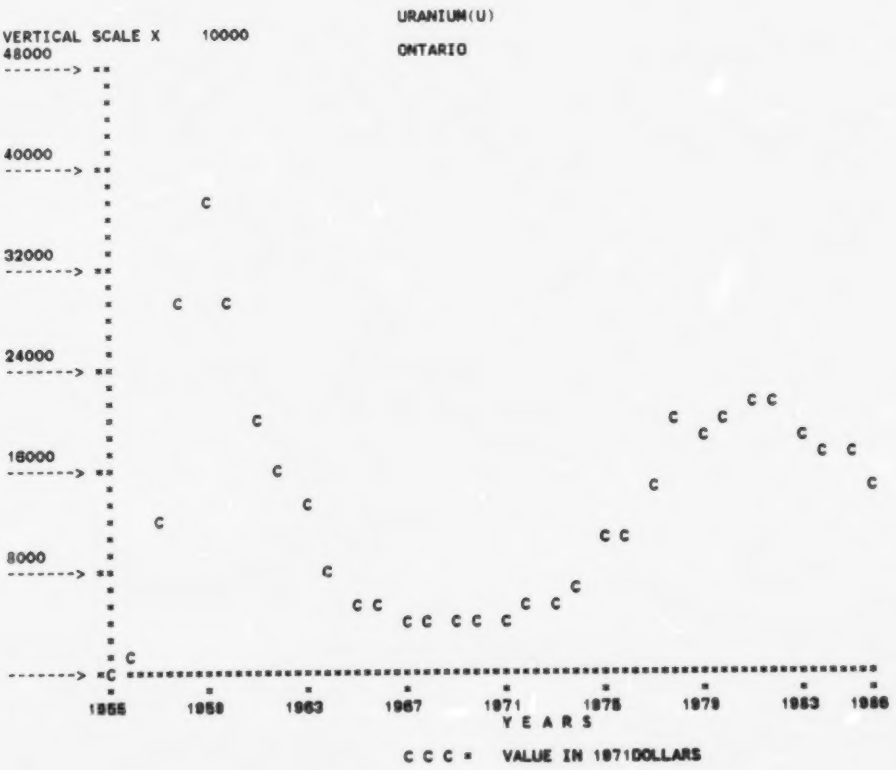
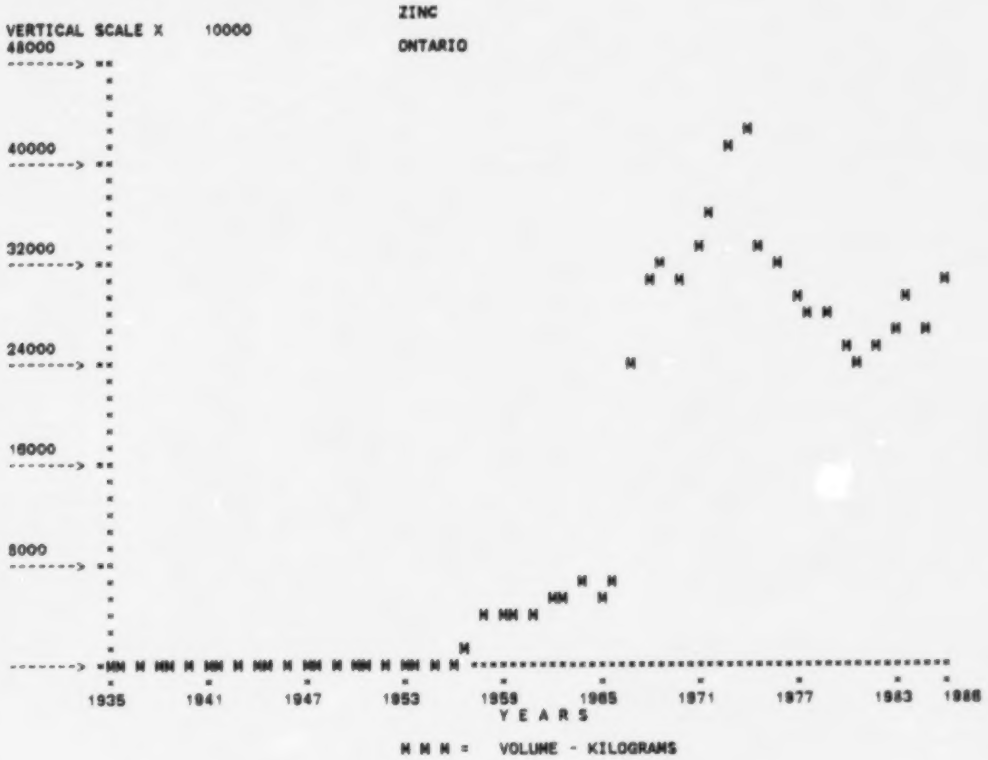
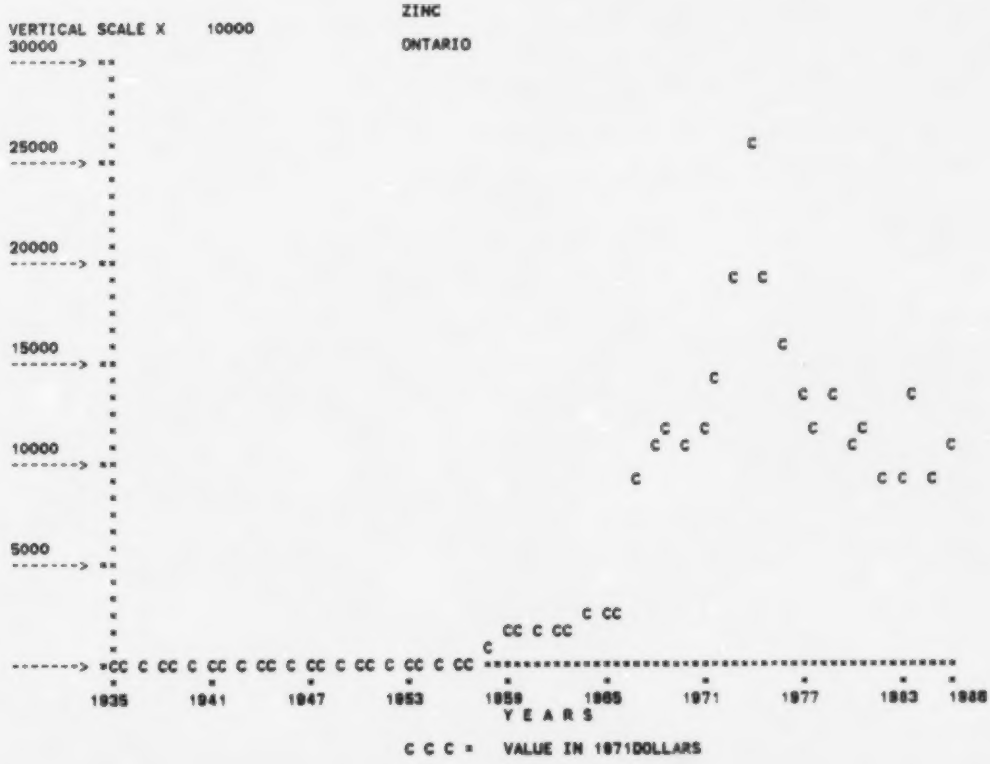
ONTARIO
VERTICAL SCALE X 1000
12000
10000
8000
6000
4000
2000
1955
1959
1963
1967
1971
1975
1979
1983
1986
YEARS
M M M = VOLUME - KILOGRAMS


URANIUM(U)
ONTARIO
VERTICAL SCALE X 10000
48000
40000
32000
24000
16000
8000
1955
1959
1963
1967
1971
1975
1979
1983
1986
YEARS
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF URANIUM(U) IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS/KILOGRAMS
1955	0	0	487054	749313	2468741	.00
1956	768838	348738	9361887	13890010	45725914	131.12
1957	6759326	3065978	82940763	120553434	396861904	129.44
1958	16935324	7681733	210149700	301074068	991135832	129.03
1959	21618189	9805845	268529993	377148868	1241574080	126.62
1960	16785723	7613875	211983533	294013224	967891528	127.12
1961	12695549	5758603	151060610	208359462	685919344	119.11
1962	10859228	4925682	118283081	160929362	529779460	107.55
1963	10829732	4912283	102951146	137635220	453095144	92.24
1964	10011144	4540978	63606944	82929523	273003992	60.12
1965	5787860	2625328	47234892	59715413	196583140	74.88
1966	4982782	2260151	42758135	51702702	170205298	75.31
1967	4622319	2096848	41418268	48216843	158729846	75.71
1968	4546892	2062344	39163777	44153074	145351922	70.48
1969	6139709	2784925	40307489	43481649	143141590	51.40
1970	5662178	2568320	44948115	46431937	152853938	59.52
1971	5944695	2696467	44626947	44626947	146911910	54.48
1972	7147262	3241943	60827490	57986168	190890466	58.88
1973	6881416	3121357	65208504	57351366	188800700	60.49
1974	7159909	3247679	91266421	70530465	232186292	71.49
1975	8963312	4065689	164149613	112047519	368860436	90.73
1976	8302222	3765824	186438898	116233727	382641432	101.61
1977	7998361	3627995	250688679	146003890	480644800	132.48
1978	9821228	4454834	363839550	199145894	655588280	147.16
1979	8830347	4005377	375793251	187241280	616398296	153.89
1980	9764401	4429058	464099607	208396770	686042168	154.90
1981	10713357	4859497	522011958	211941518	697711480	143.58
1982	10957695	4970327	586623297	213939932	704290264	141.70
1983	10509700	4767120	535770365	184430418	607144936	127.36
1984	10035790	4552158	544778444	180869338	595421864	130.80
1985	9919538	4499427	552561058	176255520	580233176	128.98
1986	9799547	4445000	476462000	144733292	476462000	107.19
TOTAL	281753373	127801163		4302718146	14164548171	


ZINC
ONTARIO
VERTICAL SCALE X 10000
48000
40000
32000
24000
16000
8000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1988
Y E A R S
M M M = VOLUME - KILOGRAMS


ZINC
ONTARIO
VERTICAL SCALE X 10000
30000
25000
20000
15000
10000
5000
1935
1941
1947
1953
1959
1965
1971
1977
1983
1988
Y E A R S
C C C = VALUE IN 1971DOLLARS

VOLUME AND VALUE OF PRODUCTION OF ZINC IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1986 DOLLARS	1986 DOLLARS KILOGRAMS
1905	0	0	0	0	0	.00
1906	800000	362000	6000	16666	54866	.15
1907	0	0	0	0	0	.00
1908	0	0	0	0	0	.00
1909	1790000	810000	8950	24861	81842	.10
1910	1152000	522000	5760	16000	52672	.10
1911	0	0	0	0	0	.00
1912	0	0	0	0	0	.00
1913	0	0	0	0	0	.00
1914	0	0	0	0	0	.00
1915	0	0	0	0	0	.00
1916	0	0	0	0	0	.00
1917	0	0	0	0	0	.00
1918	0	0	0	0	0	.00
1919	0	0	0	0	0	.00
1920	0	0	0	0	0	.00
1921	0	0	0	0	0	.00
1922	100283	45487	2180	6055	19934	.44
1923	0	0	0	0	0	.00
1924	0	0	0	0	0	.00
1925	179545	81440	13885	38013	125141	1.54
1926	0	0	0	0	0	.00
1927	0	0	0	0	0	.00
1928	58724	26636	3226	8986	29582	1.11
1929	5516606	2502381	297190	816456	2687773	1.07
1930	3527894	1600225	127004	358768	1181065	.74
1931	0	0	0	0	0	.00
1932	0	0	0	0	0	.00
1933	0	0	0	0	0	.00
1934	0	0	0	0	0	.00
1935	0	0	0	0	0	.00
1936	0	0	0	0	0	.00
1937	120011	54436	5883	18384	60521	1.11
1938	0	0	0	0	0	.00
1939	0	0	0	0	0	.00
1940	0	0	0	0	0	.00
1941	1100949	499382	37553	105190	346287	.69
1942	4710394	2136598	160671	430753	1418040	.66
1943	3299812	1496769	131992	341948	1125693	.75
1944	2429176	1101855	104455	261791	861819	.78
1945	237799	107863	15314	37534	123562	1.15
1946	42628	19335	3329	7926	26093	1.35
1947	0	0	0	0	0	.00
1948	0	0	0	0	0	.00
1949	0	0	0	0	0	.00
1950	0	0	0	0	0	.00
1951	0	0	0	0	0	.00
1952	744920	337890	130630	205070	675092	2.00
1953	171787	77921	20548	32305	106348	1.36
1954	1420048	644122	170122	263346	866937	1.35
1955	3095640	1404158	422555	650084	2140078	1.52
1956	2454297	1113250	364218	540382	1778940	1.60
1957	22591677	10247412	2731334	3969962	13069115	1.28
1958	92478339	41947469	10061643	14414961	47454052	1.13
1959	89963215	40806628	11011498	15465587	50912713	1.25
1960	90459368	41031679	12076326	16749411	55139064	1.34
1961	103874146	47116520	13077755	18038282	59382026	1.26
1962	126264684	57272697	15278027	20786431	68428932	1.19
1963	132939970	60300556	16989728	22713540	74772973	1.24
1964	144152666	65386549	20426433	26631594	87671210	1.34
1965	121349121	55043035	18323817	23165381	76260437	1.39
1966	164789837	74747413	24883265	30088591	99051643	1.33
1967	537064861	243608526	77820698	90594528	298237180	1.22
1968	693515176	314573192	97785640	110243112	362920324	1.15
1969	720571567	326845768	109743049	118385167	389723968	1.19
1970	680484067	308662380	108401112	111984620	368653368	1.19
1971	731450664	331780440	122371696	122371696	402847624	1.21
1972	807219666	366148680	153944862	146753920	483113912	1.32
1973	912729270	414007036	220387609	193832550	638096760	1.54
1974	960117440	435501948	335080986	258949760	852462624	1.96
1975	740427997	335852492	277660498	189529352	623930632	1.86
1976	699292826	317193892	263101933	164028638	539982280	1.70
1977	651288737	295419604	231409401	134775422	443680688	1.50
1978	611697356	277461256	212607650	116369813	383089424	1.38
1979	637923879	289357404	278881182	138954252	457437396	1.58
1980	558494904	253329025	242806654	109028583	358922092	1.42
1981	542405081	246030807	286283503	116233660	382641208	1.56
1982	574400144	260543524	257888108	94051097	309616212	1.19
1983	605871160	274818534	280506720	96559628	317874296	1.16
1984	648447192	294130699	395602305	131342066	432378084	1.47
1985	588498224	266938305	301000582	96012946	316074616	1.18
1986	669210992	303549000	375187000	113969319	375187000	1.24
TOTAL	14682926839	6664596218		2850174385	9382774138	

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